

SONY®

SDI OUTPUT BOARD

BKP-7311

MAINTENANCE MANUAL
1st Edition (Revised 2)

警告

このマニュアルは、サービス専用です。

お客様が、このマニュアルに記載された設置や保守、点検、修理などを行うと感電や火災、人身事故につながる可能性があります。

危険をさけるため、サービストレーニングを受けた技術者のみご使用ください。

WARNING

This manual is intended for qualified service personnel only.

To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.

Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

AVERTISSEMENT

Ce manuel est destiné uniquement aux personnes compétentes en charge de l'entretien. Afin de réduire les risques de décharge électrique, d'incendie ou de blessure n'effectuer que les réparations indiquées dans le mode d'emploi à moins d'être qualifié pour en effectuer d'autres. Pour toute réparation faire appel à une personne compétente uniquement.

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Section 1 Installation

1-1. General

BKP-7311 is the board kit that has a function of color corrector and D1 format serial digital output. When this board kit is installed into CCU-700A/CCU-700AP Camera Control Unit, BVP-700/700P system can operate in D1 format serial digital system.

1-2. Function of Switches on AD Board

- S1601(TEST ON/OFF)
Turn on when performing the adjustment of analog signal system for AD-117 board.
(Refer to Section 2 “Alignment”.)
Factory-setting : OFF
- S1602(CHU RET1/2 LINE)
Selects an output signal to be output to viewfinder, when selecting the RET1/RET2 switch of BVP.
The output signal is as follows.

S1602/AD-117	RET SW/BVP	Output signal for VF
RET1/RET2	RET1 RET2	RET1 RET2
RET3/RET4	RET1 RET2	RET3 RET4

Factory-setting : RET1/RET2

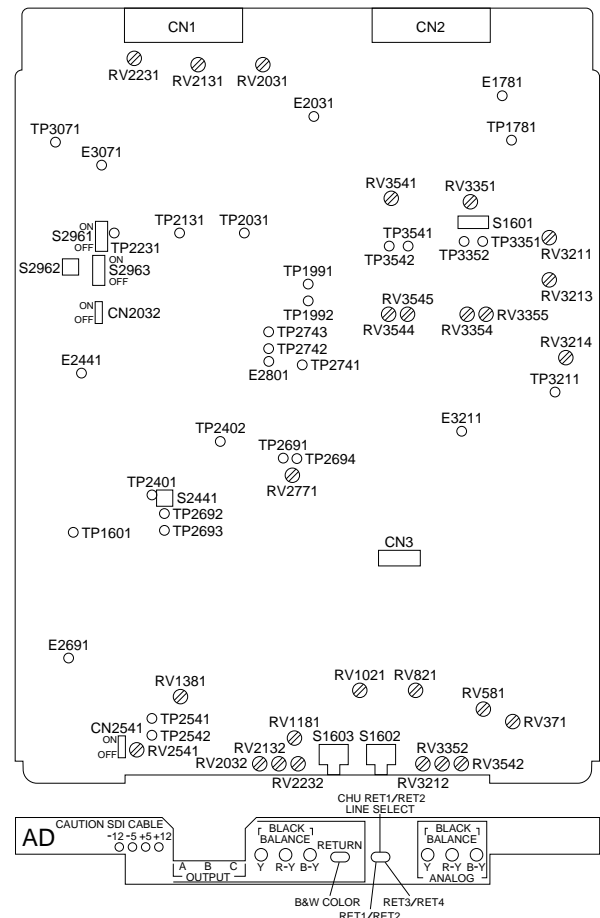
- S1603(Digital RET BW/COLOR)
Selects B&W or COLOR as the DIGITAL RET signal when DA-101 board(BKP-7312) is installed in CCU.
Factory-setting : COLOR
- CN2541(SDI ON/OFF)
Turn off when performing the adjustment of SDI Free-Run frequency.
(Refer to Section 2-5-1 “SDI Free-Run Frequency adjustment”.)
Factory-setting : ON
- S2961(SDI TEST ON/OFF)
Turn on to output a test signal which is selected by S2962 at SERIAL OUTPUT connector of CCU.

- S2963(REMOTE ON/OFF)
Selects an output signal at SERIAL OUTPUT connector of CCU.
ON : Outputs test signal which is selected by S2962
OFF : Outputs COLOR-BAR signal from VA-156 which is analog-to-digital converted in AD board.
- S2962(D1 BAR MODE)
Selects the TEST signal to be output at SERIAL OUTPUT connector of CCU.

S2962	TEST SIGNAL		
-1	-2	-3	
OFF	OFF	ON	75% COLOR BAR
ON	OFF	ON	100% COLOR BAR
OFF	ON	ON	BLACK BURST
ON	ON	ON	MULTI BURST
-	-	OFF	WORST PATTERN

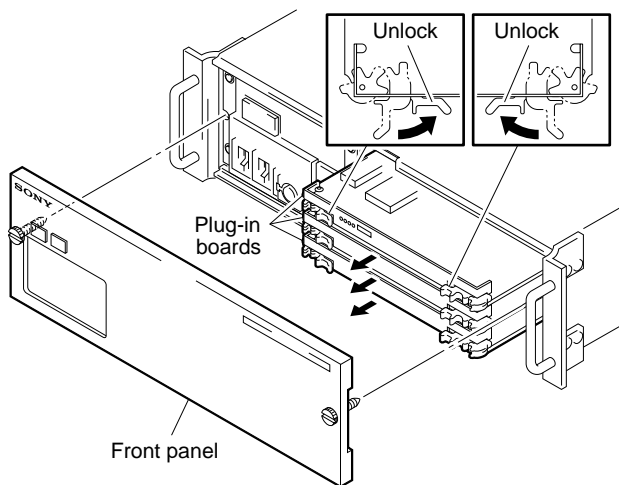
Note

S2962-4 is not used.

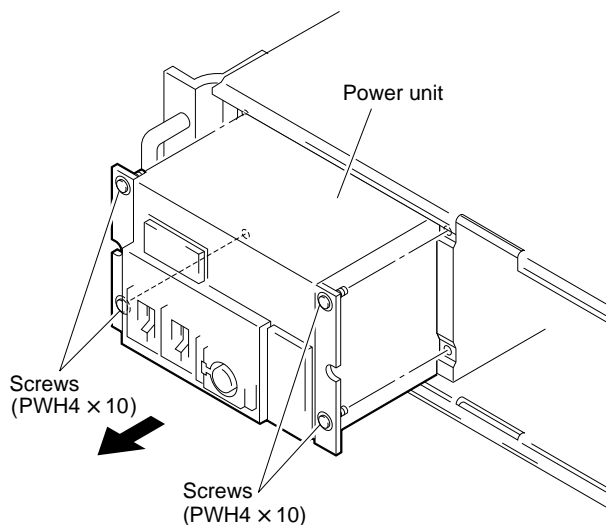


1-3. Installation of BKP-7311

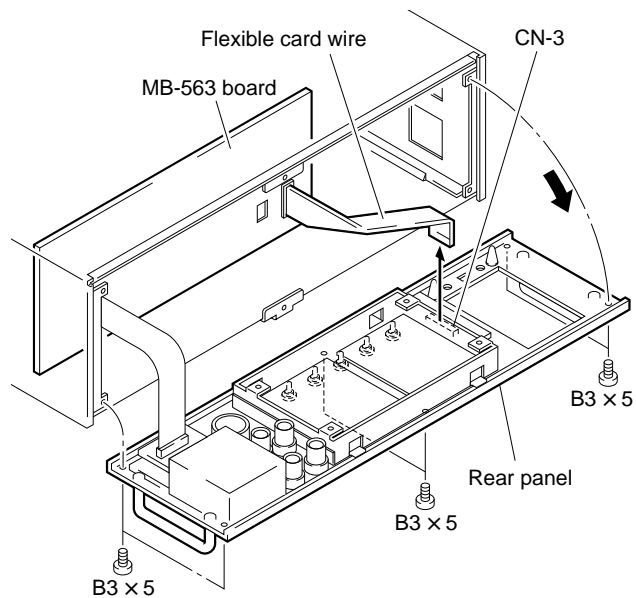
1. Disconnect the power cord from the rear panel of CCU-700A. Loosen the two screws(M4 × 20) and remove the front panel.
2. Push and turn the eject levers to unlock and pull out all the plug-in boards from the unit.



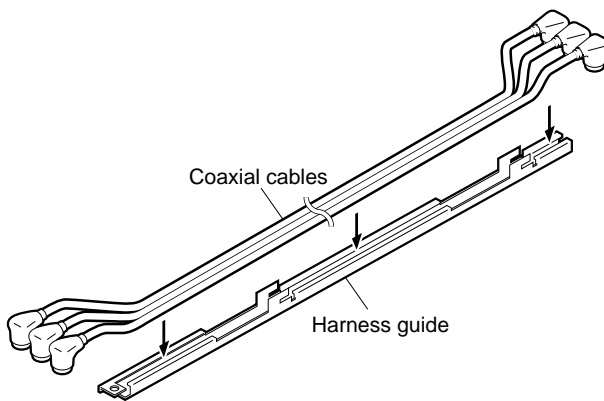
3. Loosen the four screws(PWH4 × 10) fixing the power unit and remove the power unit while pushing the power unit forward at the fan in the rear of the unit.



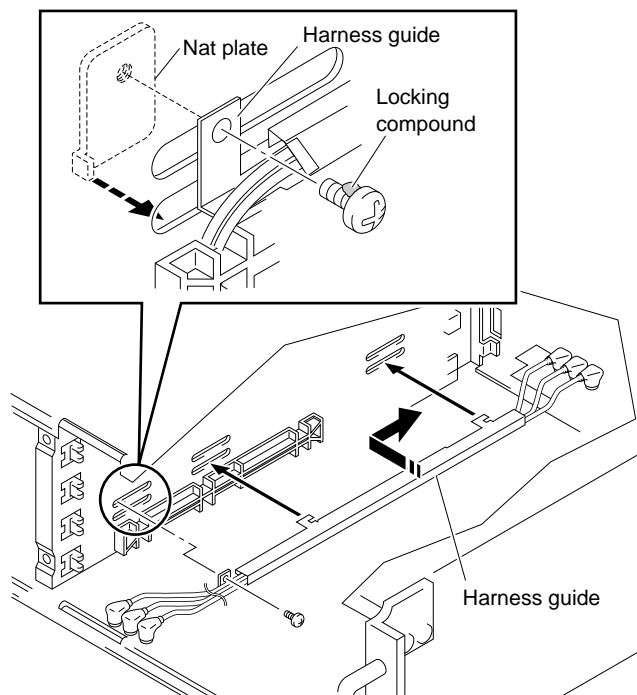
4. Remove the six screws(B3 × 5) and open the rear panel. Disconnect CN3 connected to the rear panel.



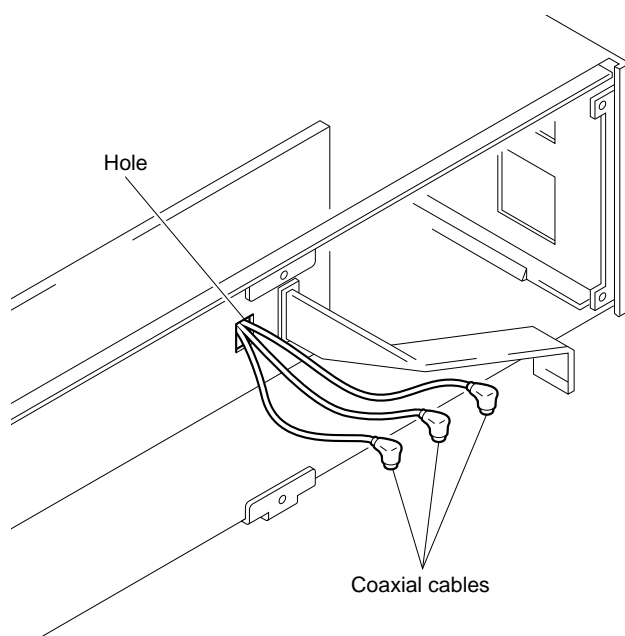
5. Install the three coaxial cables into the supplied harness guide.



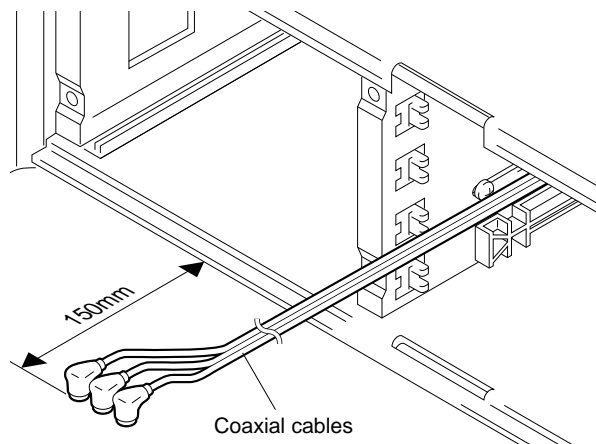
6. Hook the harness guide onto the rail plate and push it in the direction of the arrow.
7. Apply locking compound to the thread part, then tighten screw to install the supplied nut plate.



8. Pass the three coaxial cables through the hole on the MB-563.



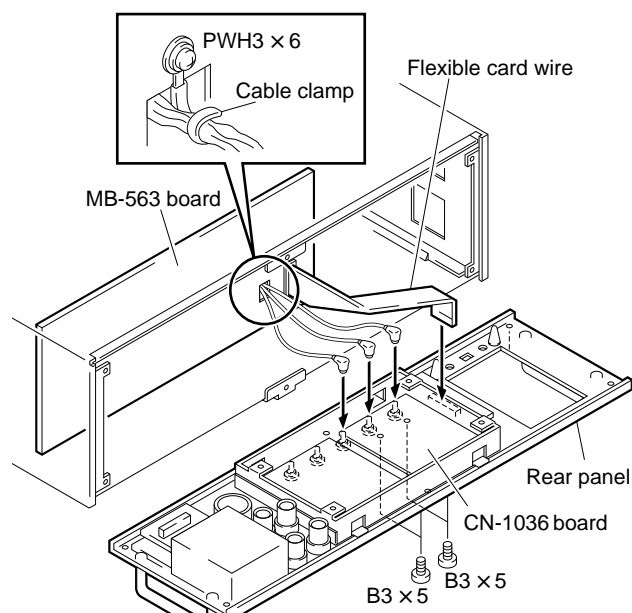
9. Extract the three coaxial cables from the front side about 150 mm shown in the figure.



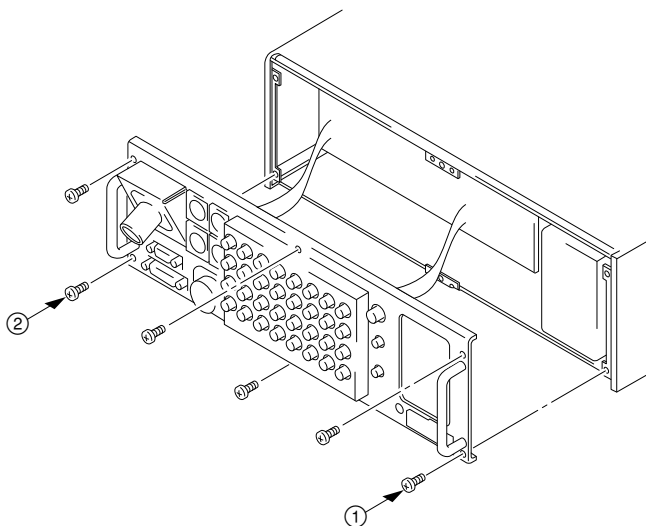
10. Hold the coaxial cables using a supplied harness clamp.
11. Connect the three coaxial cables to the rear panel. Connect the CN3 removed in step 4 to the rear panel.

Note

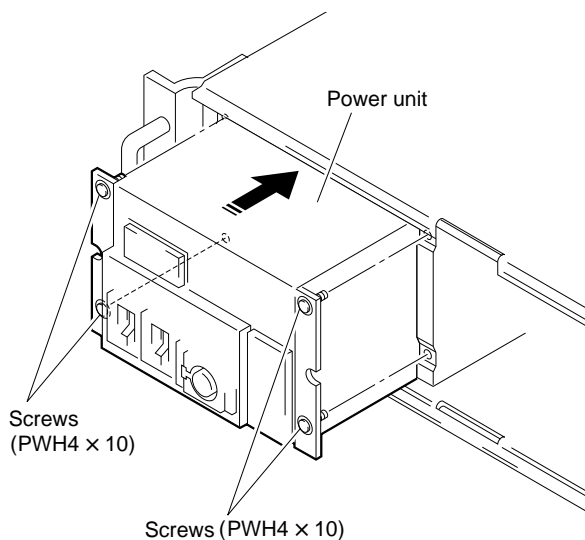
If it is difficult to connect the coaxial cables, remove the CN-1036 on the rear panel, and then connect them. When installing the board, apply locking compound to the four screws.



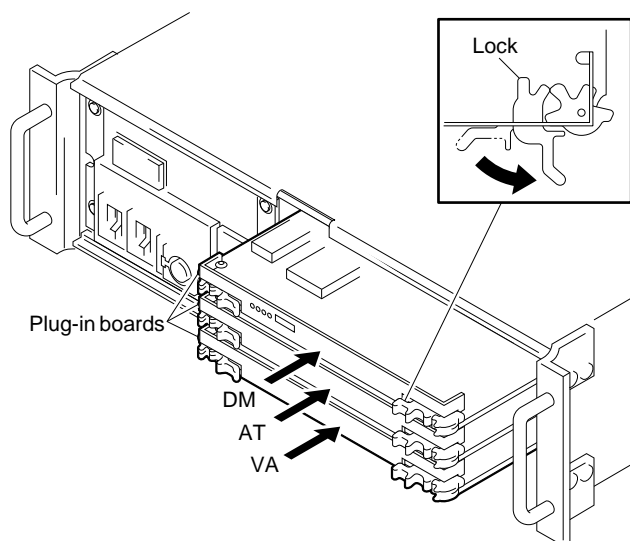
12. Tighten screws ① and ② shown in the figure, then tighten the remaining four screws, and install the rear panel.



13. Install the power unit in the unit with four screws.



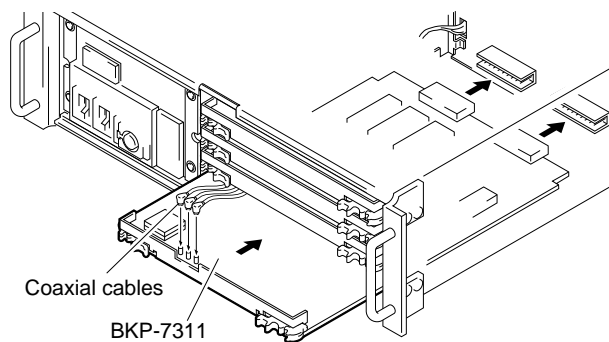
14. Insert the plug-in boards removed in step 2 in the unit in the reverse procedures of removal.



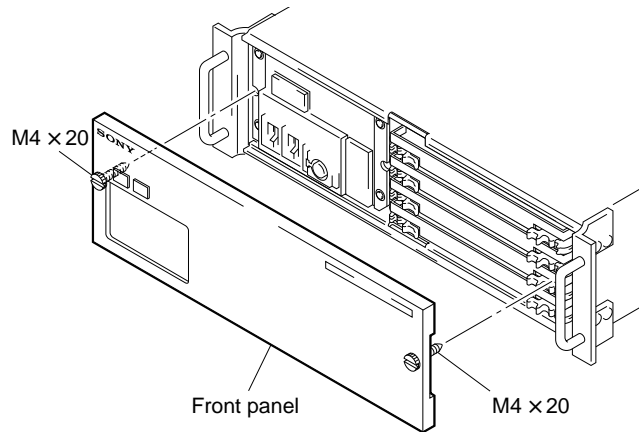
15. Insert the BKP-7311 in the unit, and connect the three coaxial cables to the BKP-7311.

Note

The same signal is output at connectors CN2571, CN2572 and CN2581. Coaxial cables can be connected to every connector.



16. Tighten the two screws(M4 × 20) on the front panel and install the front panel.



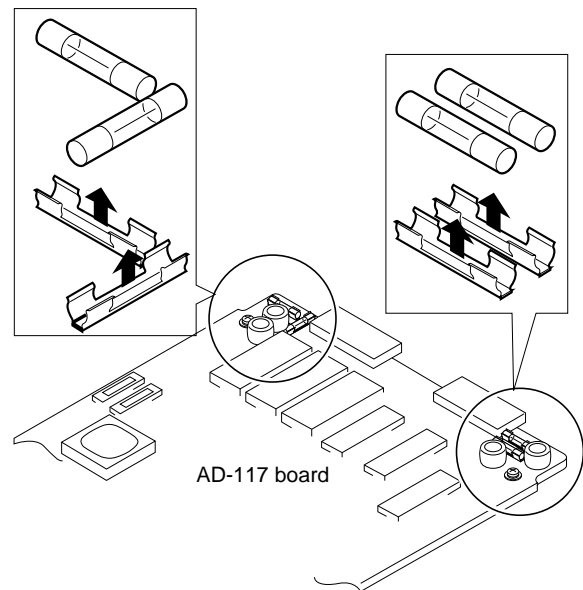
1-4. Fuse Replacement on AD-117 Board

The AD-117 board has four fuses which shut off the power. If any fault occurs or the rush current flows in the unit, the fuse will be burnt out.

When replacing the fuse, remedy the cause of trouble.

Note

- The fuse should be replaced after disconnecting the AD-117 from the unit.
- The fuse should be replaced with specified parts described on Section 3 Spare Parts.



1-5. System Adjustment


Perform the adjustment of VA-156A board in CCU-700A as follows.

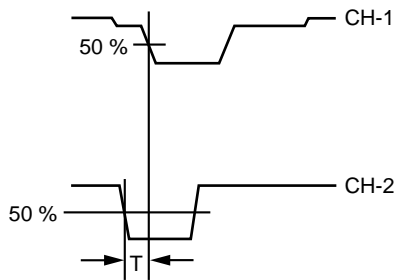
Turn on the power of CCU-700A, and then adjust the VA-156A board in CCU-700A making sure that the signal of camera should be stable.

Extend VA-156A board with BKP-7900 Extension Board.

Adjustment Procedure

Adjust the camera H phase as shown below.

Equipment : Oscilloscope (CHOP mode)
 To be extended : VA-156A board
 Test point : CH1 pin A36/extension board
 CH2 pin C18/extension board
 Adjustment point : RV1892/VA-156A board
 Specifications : $T = 0.35 \pm 0.10 \mu\text{s}$



Note

For PAL model, please read board and model names as follows.

VA-156A → VA-156P

CCU-700A → CCU-700AP

Section 2

Electrical Alignment

2-1. Preparation

2-1-1. Equipment Required

Measuring Equipments

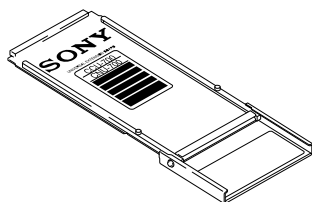
- Oscilloscope (Band width: more than 300 MHz)
Tektronix 2465 or equivalent
- Video signal generator
Tektronix 1410 or equivalent
- Digital voltmeter
- Digital waveform monitor
Tektronix 601i or equivalent
- Frequency counter

Peripheral Equipments

- Video Camera Sony BVP-700/700P or BVP-550 + CA-550
- Camera Control Unit CCU-700A/700AP
- Master Setup Unit MSU-700
(These equipments should be correctly adjusted.)

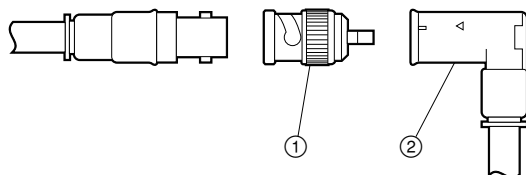
2-1-2. Tools

Extension Board BKP-7900



Coaxial connector converter

- ① Sony Part Number : 1-774-157-11
- ② Sony Part Number : 1-751-813-11



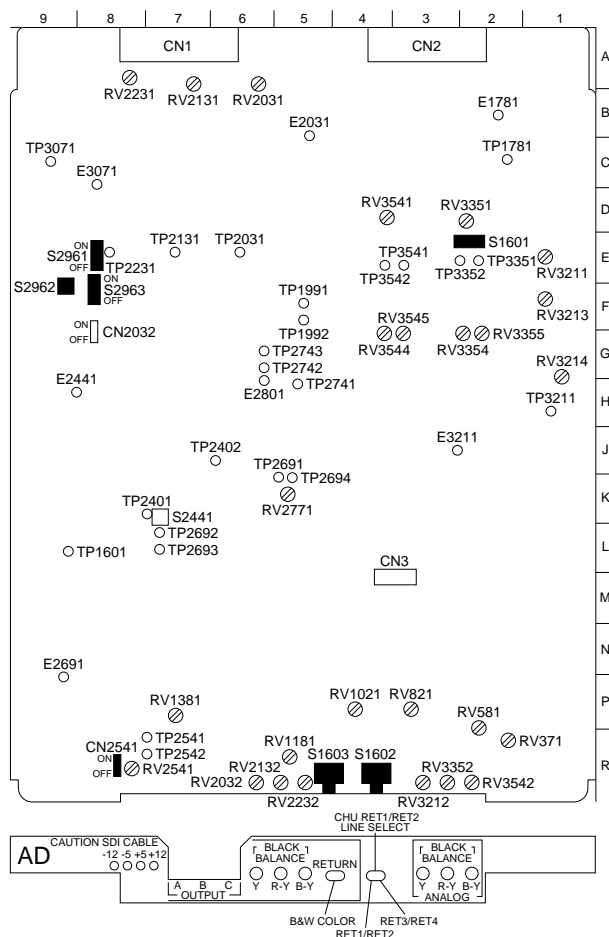
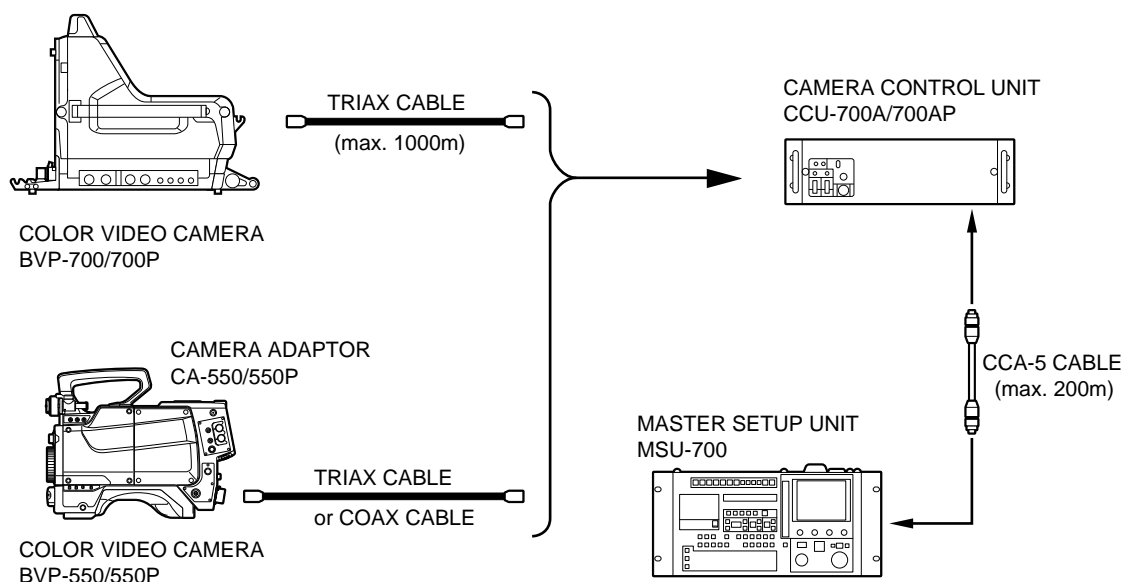
2-1-3. Note on Adjustment

Note

- Extend following boards with extension board.
AD-117/VA-156A board → BKP-7900 extension board
- When installing or pulling out the board, turn off the power of CCU-700A.
- The 20 MHz BW LIMIT switch on the oscilloscope is set to ON without notice.

2-1-4. Connection

Note Make sure that the adjustment of Video Camera BVP-700/BVP-550 should be completed.



2-1-5. Initial Setting

1. Initial setting of each switch

CCU-700A

Following switches should be reset after carrying out the adjustment and so on.

[VA-156A board]

S1 (Y SEL CAM/AUX)	Marked side (*1)
S125 (R-Y SEL CAM/AUX)	Marked side (*1)
S126 (TEST ON/OFF)	“OFF”
S221 (B-Y SEL CAM/AUX)	Marked side (*1)
S1962 (REMOTE REM/LOCAL)	“LOCAL” (*2)
S2032 (CB SELECT)	“EIAJ”

[DM-94 board]

S1 (MODE AUTO/MANU)	“AUTO”
S3 (Y 2nd AGC)	“ON”
S4 (C 2nd AGC)	“ON”

[AT-88 board]

S1006 (REMOTE MODE 1 CMD/ISR)	“CMD”
S1007 (REMOTE MODE 2 CMD/ISR)	“CMD”

BKP-7311

[AD-117 board]

S1601 (TEST ON/OFF) [E-2]	“OFF”
S1602 (RET SELECT) [R-4]	“RET1/RET2”
S1603 (RET B/W COLOR) [R-5]	“COLOR”
CN2541 (SDI ON/OFF) [R-8]	“ON”
S2961 (SDI TEST) [E-8]	“OFF”
S2963 (REMOTE) [F-8]	“ON”
S2962 (D1 BAR-MODE) [F-9]	
1	“OFF”
2	“OFF”
3	“ON”
4	“OFF”

(*1) : Refer to “Section 1-4. Function of Internal Switch” of CCU-700A/CCU-700AP Maintenance Manual.

(*2) : S1962 is set to “REMOTE” at the factory.

MSU-700

- Power and signal switch block

ALL button	“OFF(lamp goes off)”
CAM PW button	“ON(light up)”
TEST 1 button	“OFF(lamp goes off)”
TEST 2 button	“OFF(lamp goes off)”
BARS button	“OFF(lamp goes off)”
CLOSE button	“OFF(lamp goes off)”
- Camera head/CCU Circuit ON/OFF block

DETAIL OFF button	“OFF(light up)”
KNEE OFF button	“OFF(light up)”
AUTO KNEE button	“OFF(lamp goes off)”
MATRIX OFF button	“OFF(light up)”
- AUTO SETUP block

LEVEL button	“OFF(lamp goes off)”
WHITE button	“OFF(lamp goes off)”
BLACK button	“OFF(lamp goes off)”
- OTHERS

GAMMA OFF button	“ON(lamp goes off)”
MASTER GAIN select button	“0”
COLOR CORRECT button	“OFF(lamp goes off)”

2. Presetting of compensation signal

- Preset (center value) all compensation data output of the microprocessor before performing the adjustments.
If not, the adjustments cannot be performed.
Before performing the gain adjustment of S1 and Y3 of EDTV standard, compensation data should be presetted.
- How to preset the compensation data.
 - ① Turn off the power of CCU.
 - ② S1002-8 (CONTROL CLEAR) /AT-88 board→“ON”
 - ③ Turn on the power of CCU.

Note

- Set the CCU number to 96 or less using S1001 on AT-88 board before performing the preset of compensation data.
When S1002-8 is set to “ON” except above setting, factory-setting data is deleted, and cannot recover the factory shipping state.
- When finishing the overall adjustment, set S1002-8 (CONTROL CLEAR) /AT-88 board to “OFF”.

2-2. Y Signal System Adjustment

Preparation :

- Disconnect the following connectors connected to the AD-117 board.
CN2571, CN2572, CN2581
- Extend AD-117 board with BKP-7900 board.

2-2-1. Y Black Offset Adjustment

Equipment : Oscilloscope

Board : AD-117

Preparation :

MSU-700 Setting

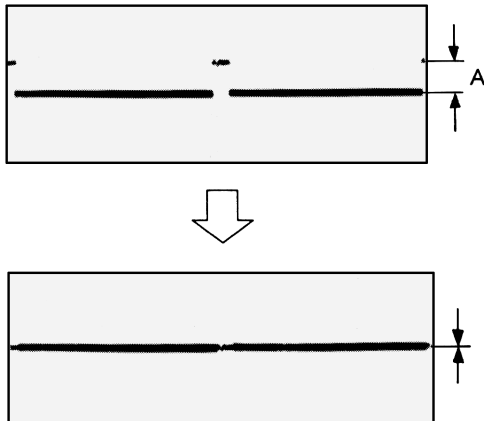
- CLOSE button →“ON”
- MASTER BLACK control knob →“-99”

Test point : A70 (GND:B70)/Extension board
extending AD-117

Adjusting point : ● RV3212 [R-3]/AD-117

Specification : $A = 0 \pm 1$ IRE (for NTSC)
 $A = 0 \pm 5$ mV (for PAL)

Adjustment Procedure



Note

After adjustment, set as follows.

MSU-700 Setting

- MASTER BLACK control knob →“0”

2-2-2. Y DL Level Adjustment

Equipment : Oscilloscope

Board : AD-117

Preparation :

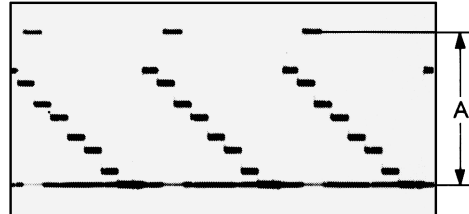
- S1601 (TEST ON/OFF) [E-2]/AD-117 →“ON”
- BARS button/MSU-700 →“ON”

Adjusting point : ● RV3211 [E-1]/AD-117

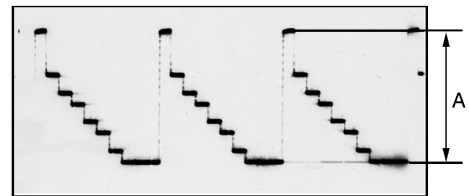
Adjustment Procedure

1. Measure the peak signal level “A” at A73 (GND:B73)/Extension board, and adjust ● RV3211 [E-1]/AD-117 so that the level at A70 (GND:B70)/Extension board makes the same level “A”.

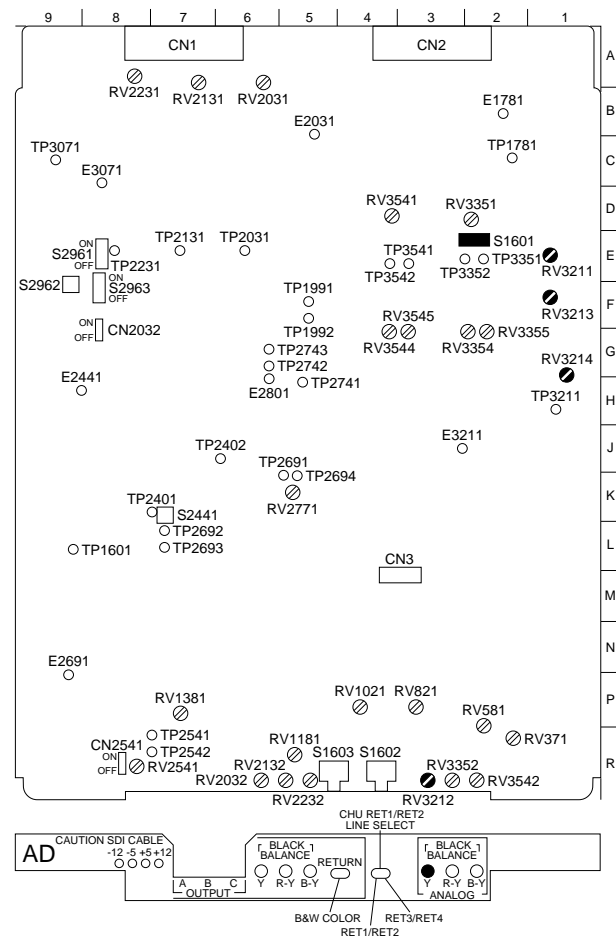
(for NTSC)



(for PAL)



2. S1601 (TEST ON/OFF) [E-2]/AD-117 →“OFF”

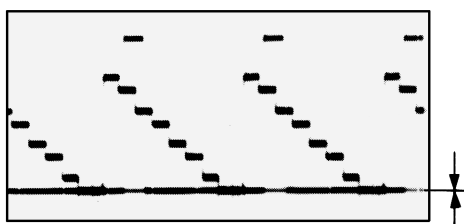
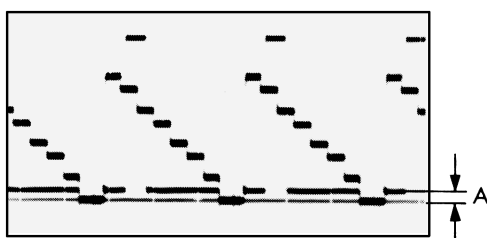


2-2-3. Y (CC) Black Adjustment

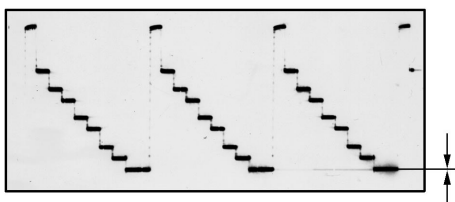
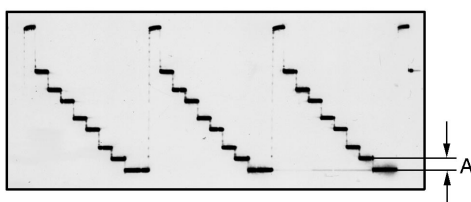
Equipment : Oscilloscope
Board : AD-117
Preparation :
• S1601 (TEST ON/OFF) [E-2]/AD-117 →“ON”
• BARS button/MSU-700 →“ON”
Test point : C71 (GND:D71)/Extension board
Adjusting point : ● RV3214 [G-1]/YC-58
Specification : $A = 0 \pm 10 \text{ mV}$

Adjustment Procedure

(for NTSC)



(for PAL)



- S1601 (TEST ON/OFF) [E-2]/AD-117 →“OFF”

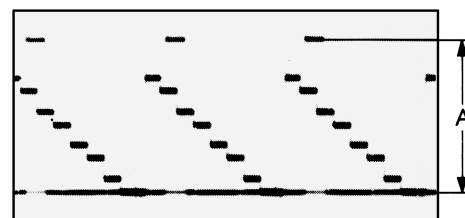
2-2-4. Y (CC) Level Adjustment

Equipment : Oscilloscope
Board : AD-117
Preparation :
• S1601 (TEST ON/OFF) [E-2]/AD-117 →“ON”
• BARS button/MSU-700 →“ON”
Adjusting point : ● RV3213 [F-1]/AD-117

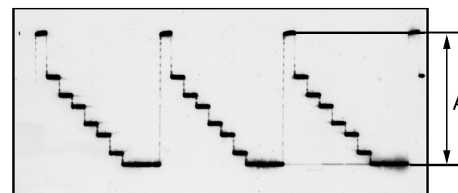
Adjustment Procedure

1. Measure the peak signal level “A” at A73 (GND:B73)/Extension board, and adjust ● RV3213 [F-1]/AD-117 board so that the level at C71 (GND:D71)/Extension board makes the same level “A”.

(for NTSC)



(for PAL)



2. S1601 (TEST ON/OFF) [E-2]/AD-117 →“OFF”

2-3. R-Y Signal System Adjustment

Preparation :

- Disconnect the following connectors connected to the AD-117 board.
CN2571, CN2572, CN2581
- Extend AD-117 board with BKP-7900 board.

2-3-1. R-Y Black Offset Adjustment

Equipment : Oscilloscope

Board : AD-117

Preparation :

MSU-700 Setting

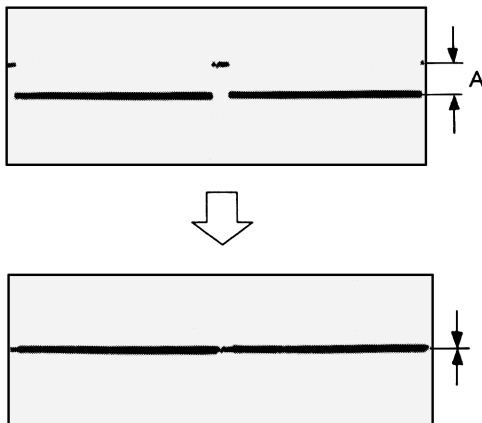
- CLOSE button → “ON”
- MASTER BLACK control knob → “-99”

Test point : C70 (CND : D70)/Extension board
extending AD-117

Adjusting point : ⚙ RV3352 [R-3]/AD-117

Specification : $A = 0 \pm 1$ IRE (for NTSC)
 $A = 0 \pm 5$ mV (for PAL)

Adjustment Procedure



Note

After adjustment, set as follows.

MSU-700 Setting

- MASTER BLACK control knob → “0”

2-3-2. R-Y DL Level Adjustment

Equipment : Oscilloscope

Board : AD-117

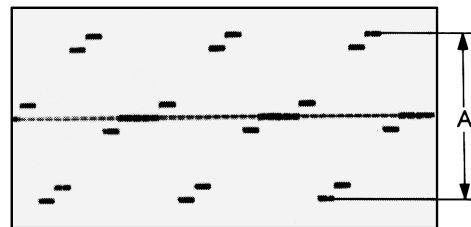
Preparation :

- S1601 (TEST ON/OFF) [E-2]/AD-117 → “ON”
- BARS button/MSU-700 → “ON”

Adjusting point : ⚙ RV3351 [D-2]/AD-117

Adjustment Procedure

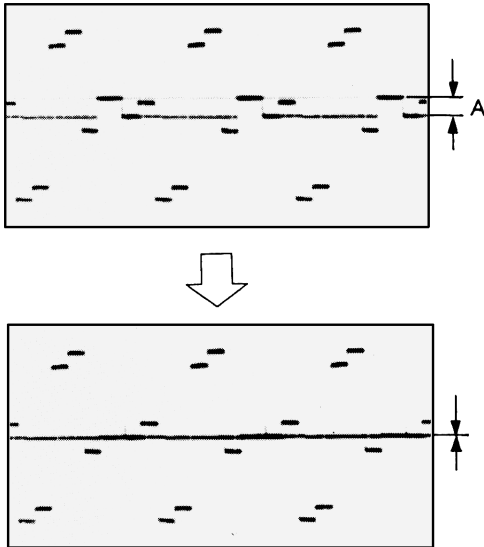
1. Measure the peak signal level “A” at C74 (GND:D74)/Extension board, and adjust ⚙ RV3351 [D-2]/AD-117 board so that the level at C70 (GND:D70)/Extension board makes the same level “A”.



2. S1601 (TEST ON/OFF) [E-2]/AD-117 → “OFF”

2-3-3. R-Y (CC) Black Adjustment

Equipment : Oscilloscope
 Board : AD-117
 Preparation :
 • S1601 (TEST ON/OFF) [E-2]/AD-117 → “ON”
 • BARS button/MSU-700 → “ON”
 Test point : A72 (GND:B72)/Extension board
 Adjusting point : ● RV3354 [F-2]/AD-117
 Specification : $A = 0 \pm 10 \text{ mV}$



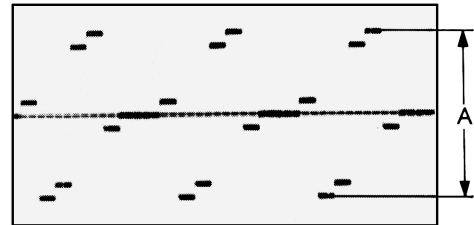
• S1601 (TEST ON/OFF) [E-2]/AD-117 → “OFF”

2-3-4. R-Y (CC) Level Adjustment

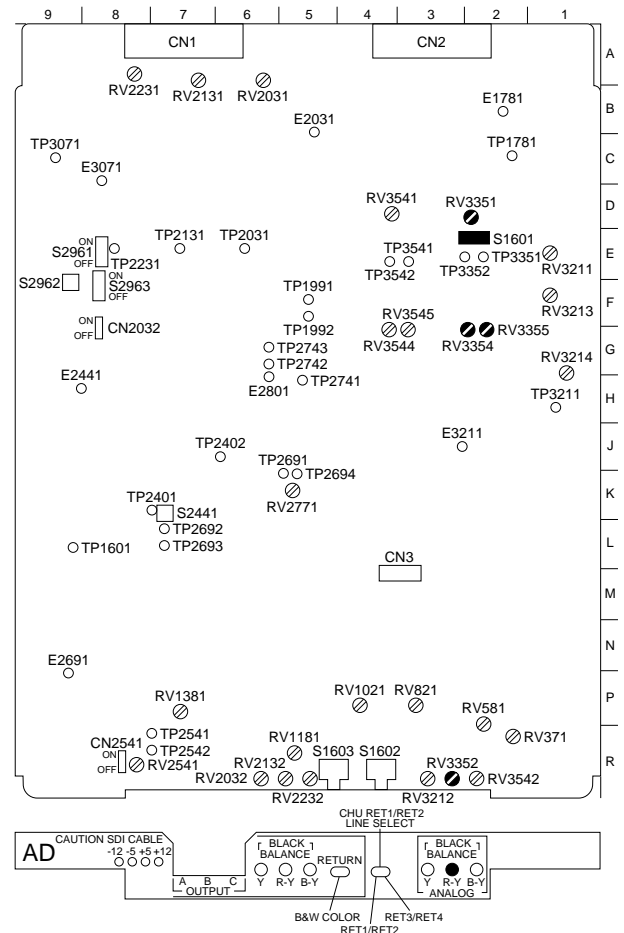
Equipment : Oscilloscope
 Board : AD-117
 Preparation :
 • S1601 (TEST ON/OFF) [E-2]/AD-117 → “ON”
 • BARS button/MSU-700 → “ON”
 Adjusting point : ● RV3355 [F-2]/AD-117

Adjustment Procedure

1. Measure the peak signal level “A” at C74 (GND:D74)/Extension board, and adjust ● RV3355 [F-2]/AD-117 board so that the level at A72 (GND:B72)/Extension board makes the same level “A”.



2. S1601 (TEST ON/OFF) [E-2]/AD-117 → “OFF”



2-4. B-Y Signal System Adjustment

Preparation :

- Disconnect the following connectors connected to the AD-117 board.
CN2571, CN2572, CN2581
- Extend AD-117 board with BKP-7900 board.

2-4-1. B-Y Black Offset Adjustment

Equipment : Oscilloscope

Board : AD-117

Preparation :

MSU-700 Setting

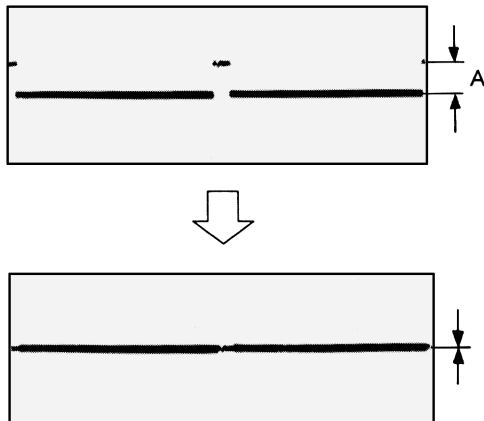
- CLOSE button → “ON”
- MASTER BLACK control knob → “-99”

Test point : A77 (CND : B77)/Extension board
extending AD-117

Adjusting point : ● RV3542 [R-3]/AD-117

Specification : $A = 0 \pm 1$ IRE (for NTSC)
 $A = 0 \pm 5$ mV (for PAL)

Adjustment Procedure



Note

After adjustment, set as follows.

MSU-700 Setting

- MASTER BLACK control knob → “0”

2-4-2. B-Y DL Level Adjustment

Equipment : Oscilloscope

Board : AD-117

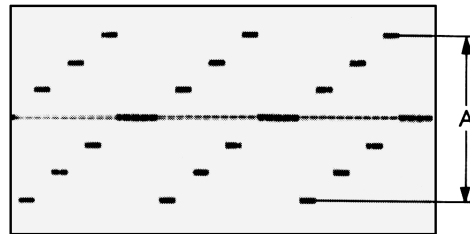
Preparation :

- S1601 (TEST ON/OFF) [E-2]/AD-117 → “ON”
- BARS button/MSU-700 → “ON”

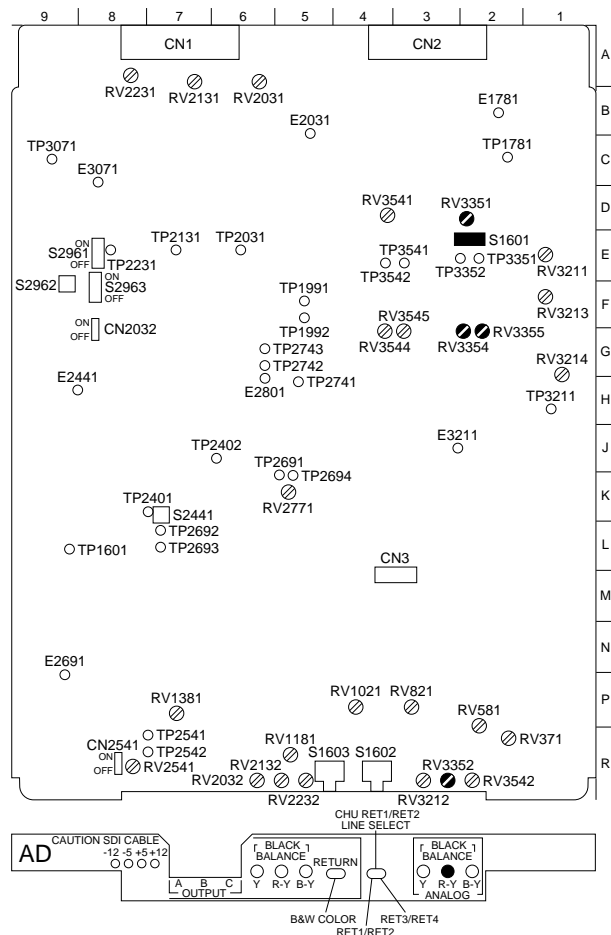
Adjusting point : ● RV3541 [D-4]/AD-117

Adjustment Procedure

1. Measure the peak signal level “A” at C77 (GND:D77)/Extension board, and adjust ● RV3541 [D-4]/AD-117 board so that the level at A77 (GND:B77)/Extension board makes the same level “A”.

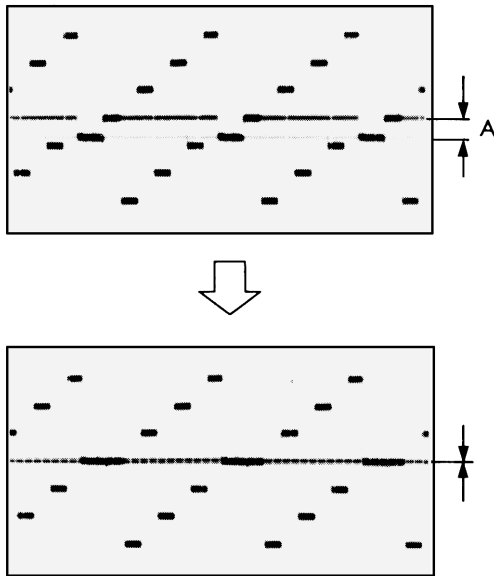


2. S1601 (TEST ON/OFF) [E-2]/AD-117 → “OFF”



2-4-3. B-Y (CC) Black Adjustment

Equipment : Oscilloscope
 Board : AD-117
 Preparation :
 • S1601 (TEST ON/OFF) [E-2]/AD-117 →“ON”
 • BARS button/MSU-700 →“ON”
 Test point : C76 (GND:D76)/Extension board
 Adjusting point : ● RV3544 [G-4]/AD-117
 Specification : $A = 0 \pm 10 \text{ mV}$

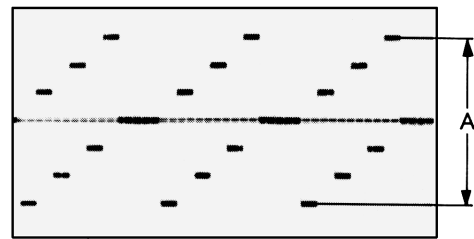


• S1601 (TEST ON/OFF) [E-2]/AD-117 →“OFF”

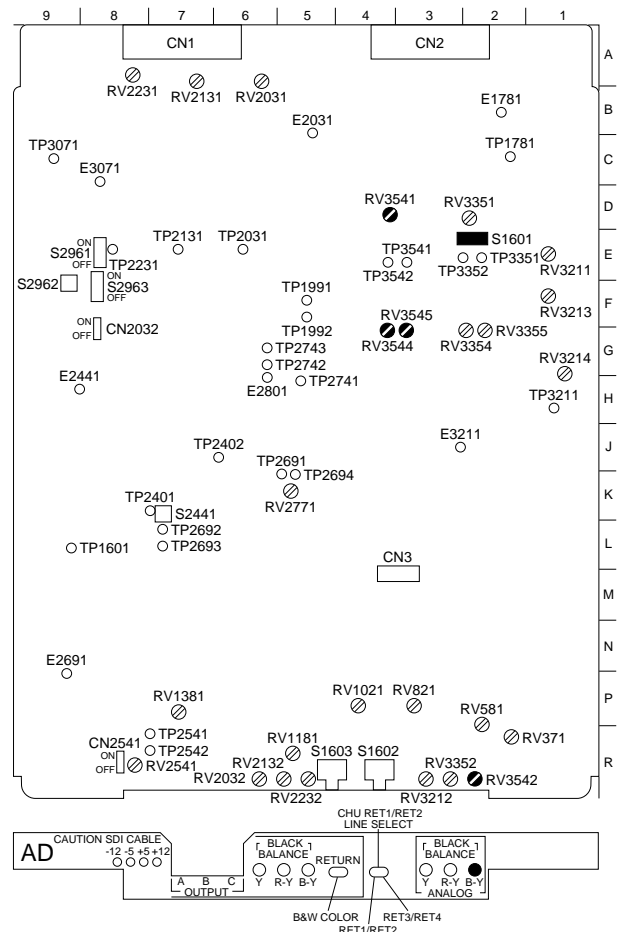
2-4-4. B-Y (CC) Level Adjustment

Equipment : Oscilloscope
 Board : AD-117
 Preparation :
 • S1601 (TEST ON/OFF) [E-2]/AD-117 →“ON”
 • BARS button/MSU-700 →“ON”
 Adjusting point : ● RV3545 [G-3]/AD-117
 Adjustment Procedure

1. Measure the peak signal level “A” at C77 (GND:D77)/Extension board, and adjust ● RVRV3545 [G-3]/AD-117 board so that the level at C76 (GND:D76)/Extension board makes the same level “A”.



2. S1601 (TEST ON/OFF) [E-2]/AD-117 →“OFF”



2-5. SDI Output System Adjustment

Preparations :

- Disconnect the following connectors connected to the AD-117 board.
CN2571, CN2572, CN2581
- Extend AD-117 board with BKP-7900 board.

2-5-1. SDI Free-Run Frequency Adjustment

Note

- Warm up the CCU for more than 10 minutes before performing this adjustment.

Equipment : Oscilloscope, Frequency counter

Board : AD-117

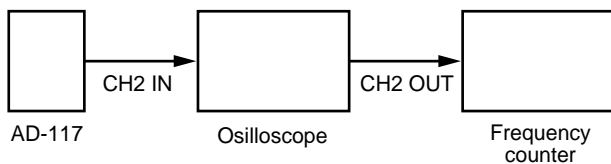
Preparation:

- CN2541 [R-8]/AD-117→OFF

Test point : TP2542 [R-8] (GND:E2691 [N-9])/AD-117

Adjustment point : ⚙RV2541 [R-8]/AD-117

Specifications : 27.00 ± 0.05 MHz



Note

After adjustment is completed, set the switch as follows.

- CN2541 [R-8]/AD-117→ON

2-5-2. SDI Video Phase Adjustment

Equipment : Digital waveform monitor

Board : AD-117

Preparations :

- Connect the digital waveform monitor to the CN2571 [R-7]/AD-117 via the coaxial connector converter.
- BARS button/MSU-700 →“ON”
- S2963 [F-8]/AD-117 →“OFF”

Test point : CN2571 [R-7]/AD-117

Adjustment point : ⚙RV2771 [K-5]/AD-117

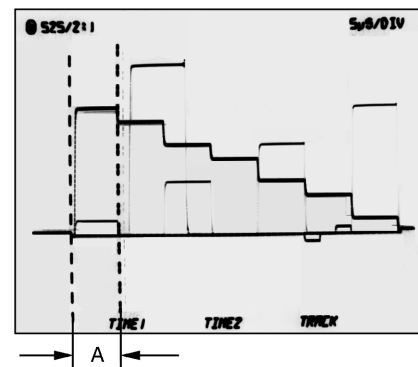
Adjustment procedures

1. Turn ⚙RV2032 [R-6]/AD-117 fully counterclockwise.
2. Adjust the level of portion A with ⚙RV2771 [K-5]/AD-117 as follows.

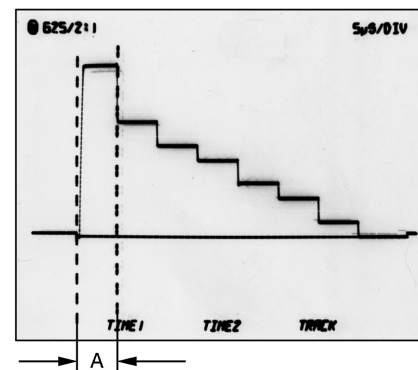
Specifications : $A = 7.7 \pm 0.1 \mu\text{s}$ (for NTSC)

$A = 6.5 \pm 0.1 \mu\text{s}$ (for PAL)

(for NTSC)



(for PAL)



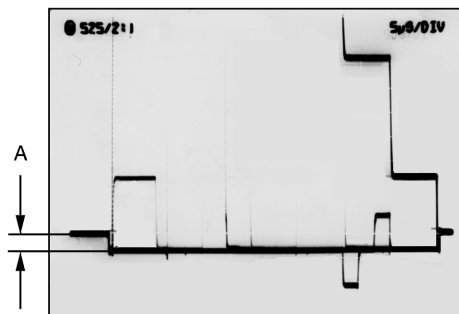
Note

After adjustment is completed, be sure to perform “2-5-3. SDI Y Black Adjustment”.

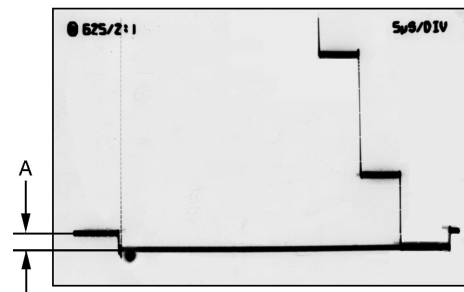
2-5-3. SDI Y Black Adjustment

Equipment : Digital waveform monitor
 Board : AD-117
 Preparations :
 • Connect the digital waveform monitor to the CN2571 [R-7]/AD-117 via the coaxial connector converter.
 • BARS button/MSU-700 →“ON”
 • S2963 [F-8]/AD-117 →“OFF”
 Test point : CN2571 [R-7]/AD-117
 Adjustment point : \odot RV2032 [R-6]/AD-117
 Specifications : $A = 0 \pm 5 \text{ mV}$

(for NTSC)



(for PAL)



Note

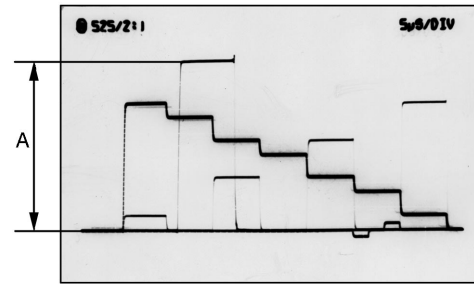
After adjustment is completed, set the switch as follows.

- S2963 [F-8]/AD-117→ON

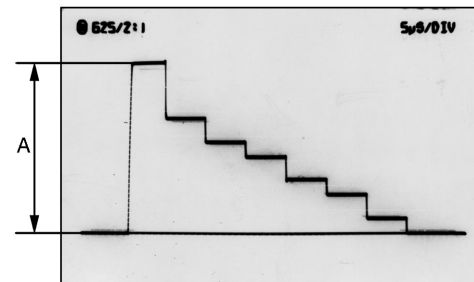
2-5-4. SDI Y Level Adjustment

Equipment : Digital waveform monitor
 Board : AD-117
 Preparations :
 • Connect the digital waveform monitor to the CN2571 [R-7]/AD-117 via the coaxial connector converter.
 • BARS button/MSU-700 →“ON”
 • S2963 [F-8]/AD-117 →“OFF”
 Test point : CN2571 [R-7]/AD-117
 Adjustment point : \odot RV2031 [B-6]/AD-117
 Specifications : $A = 700 \pm 5 \text{ mV}$

(for NTSC)



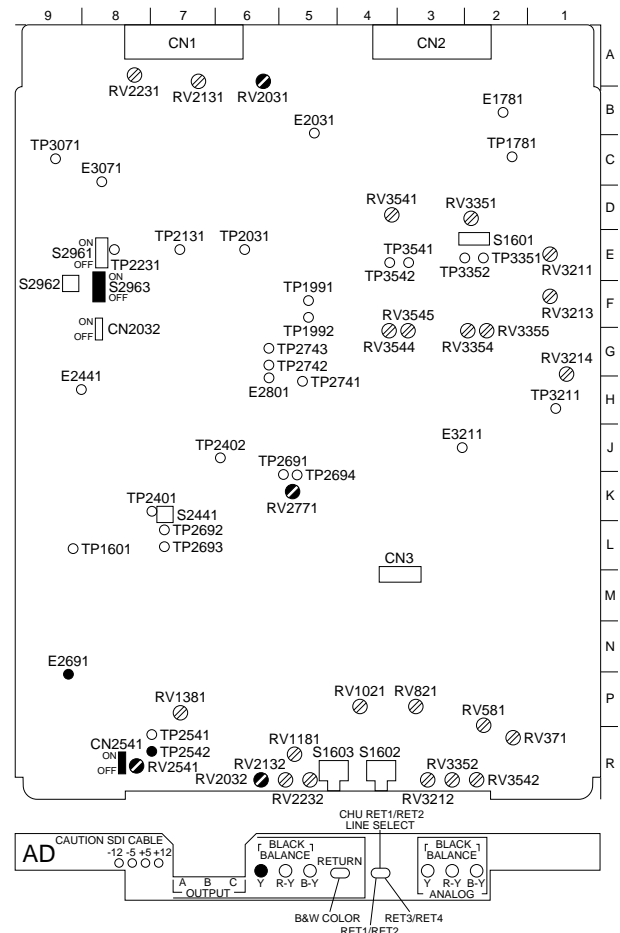
(for PAL)



Note

After adjustment is completed, set the switch as follows.

- S2963 [F-8]/AD-117→ON

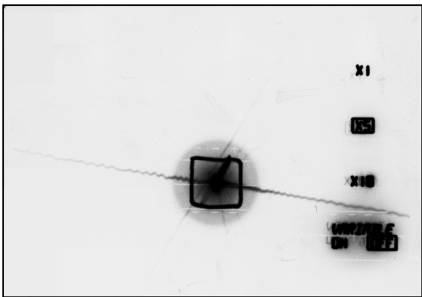


2-5-5. SDI R-Y/B-Y Black Adjustment

- Equipment : Digital waveform monitor (Vector mode)
- Board : AD-117
- Preparations :
- Connect the digital waveform monitor to the CN2571 [R-7]/AD-117 via the coaxial connector converter.
 - BARS button/MSU-700 →“ON”
 - S2963 [F-8]/AD-117 →“OFF”
- Test point : CN2571 [R-7]/AD-117
- Adjustment point : ⌚RV2132 [R-5]/AD-117
⌚RV2232 [R-5]/AD-117

Adjustment procedures

1. Put the digital waveform monitor into the vector mode.
2. Center the beam spot on the vectorscope by turning ⌚RV2132 [R-5]/AD-117 and ⌚RV2232 [R-5]/AD-117.



(Vector mode)
(GAIN ×5)

Note

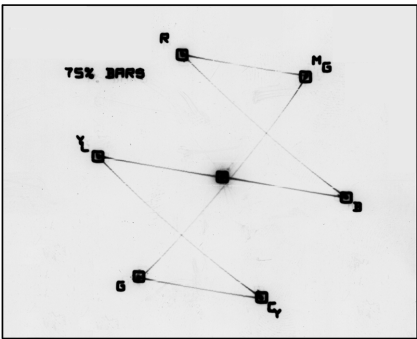
- After adjustment is completed, set the switch as follows.
- S2963 [F-8]/AD-117→ON

2-5-6. SDI R-Y/B-Y Level Adjustment

- Equipment : Digital waveform monitor (Vector mode)
- Board : AD-117
- Preparations :
- Connect the digital waveform monitor to the CN2571 [R-7]/AD-117 via the coaxial connector converter.
 - BARS button/MSU-700 →“ON”
 - S2963 [F-8]/AD-117 →“OFF”
- Test point : CN2571 [R-7]/AD-117
- Adjustment point : ⌚RV2131 [B-6]/AD-117
⌚RV2231 [A-8]/AD-117

Adjustment procedures

1. Put the digital waveform monitor into the vector mode.
2. Adjust the level so that six beam spots are placed inside the ◯ frame by turning ⌚RV2131 [B-7]/AD-117 and ⌚RV2231 [A-8]/AD-117.



(Vector mode)

Note

- After adjustment is completed, set the switch as follows.
- S2963 [F-8]/AD-117→ON

2-6. Board Switch Settings After Finishing Adjustment

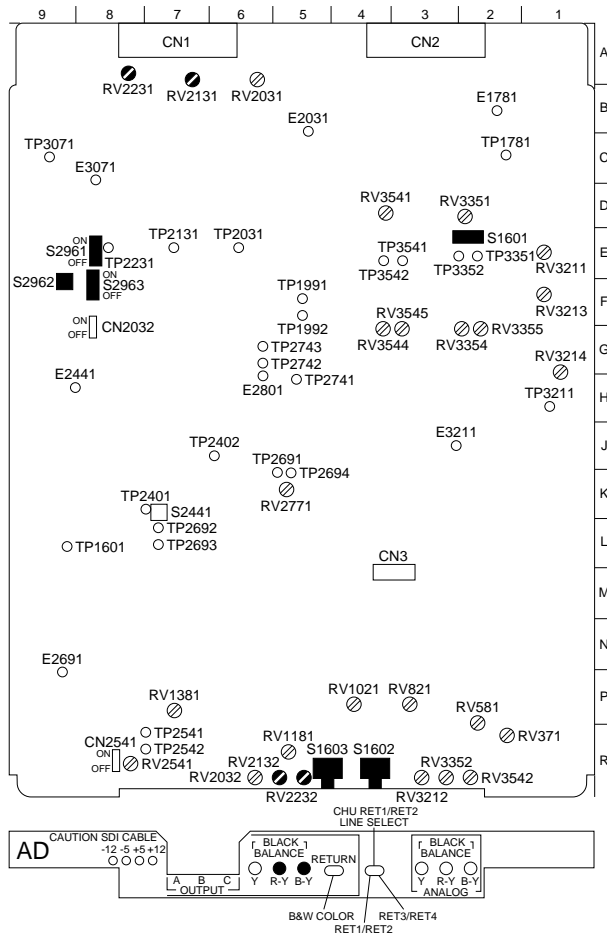
- Switch setting

Make sure the internal switch settings after the adjustments are completed.

The following shows the factory setting condition for each switch.

Select the proper setting according to your system.

S1601 (TEST ON/OFF) [E-2]	“OFF”
S1602 (RET SELECT) [R-4]	“RET1/2”
S1603 (RET B/W COLOR) [R-5]	“COLOR”
CN2541 (SDI ON/OFF) [R-8]	“ON”
S2961 (SDI TEST) [E-8]	“OFF”
S2963 (REMOTE) [F-8]	“ON”
S2962 (D1 BAR-MODE) [F-9]	
1	“OFF”
2	“OFF”
3	“ON”
4	“OFF”



CN2541	R8	SDI ON/OFF
E1781	B2	
E2031	C5	
E2441	H9	
E2691	N9	
E2801	H6	
E3071	D8	
E3211	J3	
RV2031	B6	Y GAIN
RV2032	R6	Y DC
RV2131	B7	R-Y GAIN
RV2132	R5	R-Y DC
RV2231	A8	B-Y GAIN
RV2232	R5	B-Y DC
RV2541	R8	FREE RUN FREQ. ADJ
RV2771	K5	VIDEO-PHASE
RV3211	E1	Y(DL)LEVEL
RV3212	R3	Y BLK OFFSET
RV3213	F1	Y(CC)LEVEL
RV3214	G1	BLKG CUT
RV3351	D2	R-Y (DL)LEVEL
RV3352	R3	R-Y BLK OFFSET
RV3354	F2	R-Y BLK
RV3355	F2	R-Y (CC)LEVEL
RV3541	D4	B-Y (DC) LEVEL
RV3542	R3	B-Y BLK OFFSET
RV3544	G4	B-Y BLK
RV3545	G3	B-Y (CC)LEVEL
S1601	E2	TEST ON/OFF
S1602	R4	RET SELECT
S1603	R5	RET B/W COLOR
S2961	E8	SDI TEST
S2962	F9	REMOTE
S2963	F8	D1 BAR-MODE
TP1601	L9	
TP1781	C2	
TP1991	F5	
TP1992	F5	
TP2031	E6	
TP2131	E7	
TP2231	E8	
TP2401	K7	
TP2402	J6	
TP2542	R8	
TP2691	J5	
TP2692	K7	
TP2693	L7	
TP2694	J5	
TP2741	H5	
TP2742	G6	
TP2743	G6	
TP3071	C9	
TP3211	H1	
TP3351	E2	
TP3352	E2	
TP3541	E3	
TP3542	E4	

Section 3

Spare Parts

3-1. Notes on Repair Parts

1. Safety Related Components Warning

Components marked \triangle are critical to safe operation.
Therefore, specified parts should be used in the case of replacement.

2. Standardization of Parts

Some repair parts supplied by Sony differ from those used for the unit. These are because of parts commonality and improvement.
Parts list has the present standardized repair parts.

3. Stock of Parts

Parts marked with “o” at SP(Supply Code) column of the spare parts list may not be stocked. Therefore, the delivery date will be delayed.

4. Units Representation

The following represented units are changed or omitted in writing.

Units	Representation	
Capacitance	μ F	uF
Inductance	μ H	uH
Resistance	Ω	Abbreviation
Temperature	$^{\circ}$ C	XXX-DEG-C

3-2. Electrical Parts List

AD-117 BOARD

Ref. No. or Q'ty	Part No.	SP Description
8pcs	1-533-223-11	s HOLDER, FUSE
1pc	3-694-171-01	o PC BOARD PANEL AD
1pc	3-681-020-01	o PC SHIELD PLATE
2pcs	3-681-042-01	o LEVER, PC BOARD(1)
2pcs	3-681-045-01	o LEVER, PC BOARD(2)
4pcs	7-626-320-11	s PIN, SPRING 3X8
9pcs	7-682-903-11	s SCREW +PWH 3X6
1pc	3-694-172-01	o LVEL,CAUTION AD
1pc	1-562-372-00	s SOCKET, SHORT 2P
C361	1-126-391-11	s ELECT 47uF 20% 6.3V
C362	1-126-391-11	s ELECT 47uF 20% 6.3V
C363	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C364	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C371	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C372	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C373	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C374	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C375	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C376	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C377	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C378	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C379	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C381	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C382	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C383	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C471	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C473	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C474	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C475	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C476	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C541	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C542	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C591	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C592	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C593	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C594	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C595	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C596	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C597	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C598	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C599	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C601	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C602	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C603	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C681	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C683	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C684	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C685	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C686	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C741	1-126-391-11	s ELECT 47uF 20% 6.3V
C742	1-126-391-11	s ELECT 47uF 20% 6.3V
C743	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C744	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C821	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C822	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C823	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C824	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C825	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C826	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V

(AD-117 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C827	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C828	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C829	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C831	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C832	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C833	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C911	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C913	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C914	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C915	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C916	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C971	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C972	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1021	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C1022	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C1023	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1024	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1025	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1026	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C1027	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C1028	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C1029	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C1031	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C1032	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C1033	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1111	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1113	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C1114	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C1115	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C1116	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1181	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C1182	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C1183	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1184	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1185	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1186	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C1187	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C1188	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C1189	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C1191	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C1192	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C1193	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1271	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1273	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C1274	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C1275	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C1276	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1331	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1332	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1381	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C1382	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C1383	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1384	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1385	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1386	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C1387	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C1388	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C1389	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C1391	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V

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Ref. No. or Q'ty	Part No.	SP Description
C1392	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C1393	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1471	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1473	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C1474	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C1475	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C1476	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1519	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1520	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1551	1-126-391-11	s ELECT 47uF 20% 6.3V
C1552	1-126-391-11	s ELECT 47uF 20% 6.3V
C1553	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1554	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1557	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C1558	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C1559	1-135-071-21	s TANTALUM, CHIP 0.15uF 10% 35V
C1562	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1601	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C1602	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C1603	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1616	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1617	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1619	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C1620	1-135-201-11	s TANTALUM 10uF 20% 6.3V
C1661	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C1662	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1664	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1665	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1666	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1761	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C1762	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1781	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C1782	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1783	1-126-391-11	s ELECT 47uF 20% 6.3V
C1784	1-126-391-11	s ELECT 47uF 20% 6.3V
C1785	1-126-391-11	s ELECT 47uF 20% 6.3V
C1786	1-126-391-11	s ELECT 47uF 20% 6.3V
C1787	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1788	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1789	1-126-391-11	s ELECT 47uF 20% 6.3V
C1790	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1791	1-126-396-11	s ELECT, CHIP 47uF 20% 16V
C1792	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1793	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1794	1-126-391-11	s ELECT 47uF 20% 6.3V
C1795	1-126-391-11	s ELECT 47uF 20% 6.3V
C1796	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C1797	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C1798	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1799	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1800	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C1801	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C1803	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1804	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1991	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C1992	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1993	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C1994	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C1995	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V

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Ref. No. or Q'ty	Part No.	SP Description
C1996	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C1997	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C1998	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C1999	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2031	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2032	1-163-092-00	s CERAMIC, CHIP 9PF 50V
C2034	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2035	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2036	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2037	1-126-391-11	s ELECT 47uF 20% 6.3V
C2038	1-126-391-11	s ELECT 47uF 20% 6.3V
C2039	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2040	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2041	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2042	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2043	1-135-079-21	s TANTALUM, CHIP 3.3uF 20% 25V
C2044	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2045	1-135-079-21	s TANTALUM, CHIP 3.3uF 20% 25V
C2046	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2047	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2048	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2049	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2050	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2051	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2052	1-164-005-11	s CERAMIC, CHIP 0.47uF 25V
C2053	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2054	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2055	1-164-005-11	s CERAMIC, CHIP 0.47uF 25V
C2056	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C2057	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2058	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2059	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2060	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2061	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2062	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2063	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2064	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2065	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2066	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2067	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C2068	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2069	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2070	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2071	1-163-275-11	s CERAMIC 0.001uF 5% 50V
C2072	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2073	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2074	1-163-224-11	s CERAMIC, CHIP 7PF 0.25PF 50V
C2132	1-163-087-00	s CERAMIC, CHIP 4PF 50V
C2134	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2135	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2136	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2137	1-126-391-11	s ELECT 47uF 20% 6.3V
C2138	1-126-391-11	s ELECT 47uF 20% 6.3V
C2139	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2140	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2141	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2142	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2143	1-135-079-21	s TANTALUM, CHIP 3.3uF 20% 25V
C2144	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V

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Ref. No. or Q'ty	Part No.	SP Description
C2145	1-135-079-21	s TANTALUM, CHIP 3.3uF 20% 25V
C2146	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2147	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2148	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2149	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2150	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2151	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2152	1-164-005-11	s CERAMIC, CHIP 0.47uF 25V
C2153	1-164-005-11	s CERAMIC, CHIP 0.47uF 25V
C2154	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2155	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2156	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C2157	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2158	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2159	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2160	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2161	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2162	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2163	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2164	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2165	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2166	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2167	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C2168	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2169	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2170	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2171	1-163-275-11	s CERAMIC 0.001uF 5% 50V
C2172	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2173	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C2174	1-163-224-11	s CERAMIC, CHIP 7PF 0.25PF 50V
C2232	1-163-087-00	s CERAMIC, CHIP 4PF 50V
C2234	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2235	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2236	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2237	1-126-391-11	s ELECT 47uF 20% 6.3V
C2238	1-126-391-11	s ELECT 47uF 20% 6.3V
C2239	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2240	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2241	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2242	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2243	1-135-079-21	s TANTALUM, CHIP 3.3uF 20% 25V
C2244	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2245	1-135-079-21	s TANTALUM, CHIP 3.3uF 20% 25V
C2246	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2247	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2248	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2249	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2250	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2251	1-164-005-11	s CERAMIC, CHIP 0.47uF 25V
C2252	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2253	1-164-005-11	s CERAMIC, CHIP 0.47uF 25V
C2254	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2255	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2256	1-135-161-21	s TANTALUM, CHIP 22uF 10% 10V
C2257	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2258	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2259	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2260	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2261	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP Description
C2262	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2263	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2264	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2265	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2266	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2267	1-135-210-11	s TANTALUM 4.7uF 10% 10V
C2268	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2269	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2270	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2271	1-163-275-11	s CERAMIC 0.001uF 5% 50V
C2272	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2273	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2274	1-163-224-11	s CERAMIC, CHIP 7PF 0.25PF 50V
C2361	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2362	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2363	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2364	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2365	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2366	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2367	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2368	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2369	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2370	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2371	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2372	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2381	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2382	1-164-005-11	s CERAMIC, CHIP 0.47uF 25V
C2383	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2384	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2401	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2402	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2441	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2442	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2443	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2444	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2445	1-135-164-21	s TANTALUM, CHIP 22uF 20% 10V
C2446	1-163-217-11	s CERAMIC 1PF 0.25PF 50V
C2447	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2448	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C2449	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2450	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2451	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2452	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2453	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2454	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2455	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2456	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2457	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2458	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2459	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2460	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C2511	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2512	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2527	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2541	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2542	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C2543	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C2544	1-163-121-00	s CERAMIC, CHIP 150PF 5% 50V
C2545	1-163-259-91	s CERAMIC, CHIP 220PF 5% 50V

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Ref. No. or Q'ty	Part No.	SP	Description
C2546	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C2547	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C2571	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C2572	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C2573	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C2581	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C2591	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C2592	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C2691	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C2692	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C2693	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C2696	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C2697	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C2698	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C2699	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C2700	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C2701	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C2741	1-163-259-91	s	CERAMIC, CHIP 220PF 5% 50V
C2742	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C2743	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C2744	1-163-259-91	s	CERAMIC, CHIP 220PF 5% 50V
C2745	1-163-259-91	s	CERAMIC, CHIP 220PF 5% 50V
C2746	1-163-259-91	s	CERAMIC, CHIP 220PF 5% 50V
C2771	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C2772	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C2773	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C2774	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C2775	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C2776	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C2777	1-135-089-21	s	TANTALUM, CHIP 6.8uF 10% 20V
C2778	1-163-121-00	s	CERAMIC, CHIP 150PF 5% 50V
C2779	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C2780	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C2801	1-135-071-21	s	TANTALUM, CHIP 0.15uF 10% 35V
C2802	1-135-165-11	s	TANTALUM, CHIP 33uF 10% 16V
C2803	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C2804	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C2805	1-163-231-11	s	CERAMIC, CHIP 15PF 5% 50V
C2806	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C2807	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C2951	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C2952	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C2953	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C2961	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C2981	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C2982	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C2983	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C2984	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3071	1-126-391-11	s	ELECT 47uF 20% 6.3V
C3072	1-126-391-11	s	ELECT 47uF 20% 6.3V
C3073	1-135-125-21	s	TANTAL 33uF 20% 10V
C3074	1-126-391-11	s	ELECT 47uF 20% 6.3V
C3075	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3076	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3077	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C3078	1-126-391-11	s	ELECT 47uF 20% 6.3V
C3079	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3080	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3081	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C3110	1-126-391-11	s	ELECT 47uF 20% 6.3V
C3111	1-126-391-11	s	ELECT 47uF 20% 6.3V
C3112	1-126-391-11	s	ELECT 47uF 20% 6.3V
C3113	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3114	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3115	1-126-391-11	s	ELECT 47uF 20% 6.3V
C3116	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3211	1-126-391-11	s	ELECT 47uF 20% 6.3V
C3212	1-126-391-11	s	ELECT 47uF 20% 6.3V
C3213	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3214	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3217	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3218	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3219	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C3220	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C3221	1-163-227-11	s	CERAMIC, CHIP 10PF 5% 50V
C3230	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C3231	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3235	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C3236	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3241	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C3242	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C3243	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C3244	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C3245	1-126-391-11	s	ELECT 47uF 20% 6.3V
C3246	1-163-227-11	s	CERAMIC, CHIP 10PF 5% 50V
C3250	1-126-391-11	s	ELECT 47uF 20% 6.3V
C3251	1-126-391-11	s	ELECT 47uF 20% 6.3V
C3252	1-126-391-11	s	ELECT 47uF 20% 6.3V
C3253	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3254	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3259	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C3351	1-126-391-11	s	ELECT 47uF 20% 6.3V
C3352	1-126-391-11	s	ELECT 47uF 20% 6.3V
C3353	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3354	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3357	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3358	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3359	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C3360	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C3364	1-163-227-11	s	CERAMIC, CHIP 10PF 5% 50V
C3370	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C3371	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C3372	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C3373	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C3374	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C3375	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C3376	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3377	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C3378	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3381	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C3382	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C3383	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C3384	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3385	1-163-222-11	s	CERAMIC 5PF 0.25PF 50V
C3541	1-126-391-11	s	ELECT 47uF 20% 6.3V
C3542	1-126-391-11	s	ELECT 47uF 20% 6.3V
C3543	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V
C3544	1-163-038-00	s	CERAMIC, CHIP 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP Description
C3547	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C3548	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C3549	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C3550	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C3554	1-163-227-11	s CERAMIC, CHIP 10PF 5% 50V
C3560	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C3561	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C3562	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C3563	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C3564	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C3565	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C3566	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C3567	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C3568	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C3571	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C3572	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C3573	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C3574	1-163-038-00	s CERAMIC, CHIP 0.1uF 25V
C3575	1-163-222-11	s CERAMIC 5PF 0.25PF 50V
CN1	1-774-668-11	o CONNECTOR, BOARD TO BOARD 96P
CN2	1-774-668-11	o CONNECTOR, BOARD TO BOARD 96P
CN2541	1-564-948-21	o PIN, CONNECTOR 3P
CN2571	1-750-880-11	s RECEPTACLE, COAXIAL CONNECTOR, BNC
CN2572	1-750-880-11	s RECEPTACLE, COAXIAL CONNECTOR, BNC
CN2581	1-750-880-11	s RECEPTACLE, COAXIAL CONNECTOR, BNC
D371	8-719-800-76	s DIODE 1SS226
D591	8-719-800-76	s DIODE 1SS226
D741	8-719-800-76	s DIODE 1SS226
D761	8-719-800-76	s DIODE 1SS226
D781	8-719-800-76	s DIODE 1SS226
D821	8-719-800-76	s DIODE 1SS226
D1021	8-719-800-76	s DIODE 1SS226
D1181	8-719-800-76	s DIODE 1SS226
D1381	8-719-800-76	s DIODE 1SS226
D1551	8-719-104-34	s DIODE 1S2836
D1601	8-719-104-34	s DIODE 1S2836
D1781	8-719-974-41	s DIODE HLMP-6500-010
D1782	8-719-974-41	s DIODE HLMP-6500-010
D1783	8-719-974-41	s DIODE HLMP-6500-010
D1784	8-719-974-41	s DIODE HLMP-6500-010
D1785	8-719-157-23	s DIODE RD4.7M-B
D1786	8-719-157-23	s DIODE RD4.7M-B
D1787	8-759-274-67	s IC LM4040BIM3X-5.0
D1789	8-719-801-78	s DIODE 1SS184
D1790	8-719-800-76	s DIODE 1SS226
D2541	8-719-800-76	s DIODE 1SS226
D2691	8-719-948-47	s DIODE HSM88AS
D2692	8-719-948-47	s DIODE HSM88AS
D2771	8-719-800-76	s DIODE 1SS226
D2801	8-719-800-76	s DIODE 1SS226
D3072	8-719-157-23	s DIODE RD4.7M-B
D3111	8-719-157-23	s DIODE RD4.7M-B
DL1551	1-415-781-21	s DELAY LINE, LC
DL1552	1-415-660-11	s DELAY LINE, LC 355 nS
DL3212	1-415-304-21	s DELAY LINE (Y)
DL3352	1-415-304-21	s DELAY LINE (Y)
DL3542	1-415-304-21	s DELAY LINE (Y)

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Ref. No. or Q'ty	Part No.	SP Description
E1781	3-673-772-01	s TERMINAL, TP
E2031	3-673-772-01	s TERMINAL, TP
E2441	3-673-772-01	s TERMINAL, TP
E2691	3-673-772-01	s TERMINAL, TP
E2801	3-673-772-01	s TERMINAL, TP
E3071	3-673-772-01	s TERMINAL, TP
E3211	3-673-772-01	s TERMINAL, TP
F1781	! 1-576-228-11	s FUSE (H.B.C.) 2A 250V
F1782	! 1-576-228-11	s FUSE (H.B.C.) 2A 250V
F3071	! 1-576-228-11	s FUSE (H.B.C.) 2A 250V
F3110	! 1-576-228-11	s FUSE (H.B.C.) 2A 250V
FL2031	1-236-964-11	s FILTER, LOW PASS
FL2131	1-236-963-11	s FILTER, LOW PASS
FL2231	1-236-963-11	s FILTER, LOW PASS
IC361	8-759-054-61	s IC CLC505AJE
IC371	8-759-927-46	s IC SN74HC00ANS
IC372	8-759-238-51	s IC TC74HC4051AF(EL)
IC373	8-759-030-55	s IC MC1496M
IC374	8-759-105-49	s IC UPC319G2
IC376	8-759-030-55	s IC MC1496M
IC461	8-759-054-61	s IC CLC505AJE
IC471	8-759-238-51	s IC TC74HC4051AF(EL)
IC472	8-759-030-55	s IC MC1496M
IC474	8-759-030-55	s IC MC1496M
IC531	8-759-054-61	s IC CLC505AJE
IC541	8-759-082-61	s IC TC4W53FU
IC542	8-759-635-27	s IC M62352GP
IC543	8-759-906-54	s IC TL064CNS
IC544	8-759-906-54	s IC TL064CNS
IC581	8-759-054-61	s IC CLC505AJE
IC591	8-759-927-46	s IC SN74HC00ANS
IC592	8-759-238-51	s IC TC74HC4051AF(EL)
IC593	8-759-030-55	s IC MC1496M
IC594	8-759-105-49	s IC UPC319G2
IC596	8-759-030-55	s IC MC1496M
IC681	8-759-238-51	s IC TC74HC4051AF(EL)
IC682	8-759-030-55	s IC MC1496M
IC684	8-759-030-55	s IC MC1496M
IC821	8-759-927-46	s IC SN74HC00ANS
IC822	8-759-238-51	s IC TC74HC4051AF(EL)
IC823	8-759-030-55	s IC MC1496M
IC824	8-759-105-49	s IC UPC319G2
IC826	8-759-030-55	s IC MC1496M
IC911	8-759-238-51	s IC TC74HC4051AF(EL)
IC912	8-759-030-55	s IC MC1496M
IC914	8-759-030-55	s IC MC1496M
IC971	8-759-635-27	s IC M62352GP
IC972	8-759-906-54	s IC TL064CNS
IC973	8-759-906-54	s IC TL064CNS
IC1021	8-759-927-46	s IC SN74HC00ANS
IC1022	8-759-238-51	s IC TC74HC4051AF(EL)
IC1023	8-759-030-55	s IC MC1496M
IC1024	8-759-105-49	s IC UPC319G2
IC1026	8-759-030-55	s IC MC1496M
IC1111	8-759-238-51	s IC TC74HC4051AF(EL)
IC1112	8-759-030-55	s IC MC1496M
IC1114	8-759-030-55	s IC MC1496M
IC1181	8-759-927-46	s IC SN74HC00ANS

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Ref. No. or Q'ty	Part No.	SP	Description
IC1182	8-759-238-51	s IC	TC74HC4051AF(EL)
IC1183	8-759-030-55	s IC	MC1496M
IC1184	8-759-105-49	s IC	UPC319G2
IC1186	8-759-030-55	s IC	MC1496M
IC1271	8-759-238-51	s IC	TC74HC4051AF(EL)
IC1272	8-759-030-55	s IC	MC1496M
IC1274	8-759-030-55	s IC	MC1496M
IC1331	8-759-635-27	s IC	M62352GP
IC1332	8-759-906-54	s IC	TL064CNS
IC1333	8-759-906-54	s IC	TL064CNS
IC1381	8-759-927-46	s IC	SN74HC00ANS
IC1382	8-759-238-51	s IC	TC74HC4051AF(EL)
IC1383	8-759-030-55	s IC	MC1496M
IC1384	8-759-105-49	s IC	UPC319G2
IC1386	8-759-030-55	s IC	MC1496M
IC1471	8-759-238-51	s IC	TC74HC4051AF(EL)
IC1472	8-759-030-55	s IC	MC1496M
IC1474	8-759-030-55	s IC	MC1496M
IC1551	8-759-105-49	s IC	UPC319G2
IC1552	8-759-082-55	s IC	TC7W00FU
IC1553	8-759-082-61	s IC	TC4W53FU
IC1554	8-759-082-61	s IC	TC4W53FU
IC1606	8-759-008-79	s IC	MC14011BF
IC1607	8-759-008-84	s IC	MC14015BF
IC1608	8-759-008-79	s IC	MC14011BF
IC1609	8-759-008-74	s IC	MC14001BF
IC1661	8-759-009-04	s IC	MC14050BF
IC1662	8-759-147-84	s IC	CXD8072Q
IC1663	8-759-925-76	s IC	SN74HC08ANS
IC1664	8-759-946-00	s IC	MB88341PFV
IC1665	8-759-925-76	s IC	SN74HC08ANS
IC1666	8-759-926-25	s IC	SN74HC165ANS
IC1761	8-759-147-84	s IC	CXD8072Q
IC1762	8-759-925-82	s IC	SN74HC21NS
IC1763	8-759-058-58	s IC	TC7S04FU(TE85R)
IC1781	8-759-168-19	s IC	TA78L09F-T1
IC1782	8-759-906-53	s IC	TL062CPS
IC1783	8-759-238-51	s IC	TC74HC4051AF(EL)
IC1785	8-759-906-53	s IC	TL062CPS
IC1786	8-759-062-66	s IC	TC7S66F
IC1991	8-759-970-59	s IC	TLC272CPS
IC1992	8-759-946-00	s IC	MB88341PFV
IC2031	8-759-054-61	s IC	CLC505AJE
IC2032	8-752-052-82	s IC	CXA1432M
IC2033	8-752-052-70	s IC	CXA1487M
IC2034	8-752-069-11	s IC	CXA1577R-7
IC2035	8-759-030-55	s IC	MC1496M
IC2131	8-759-054-61	s IC	CLC505AJE
IC2132	8-752-052-82	s IC	CXA1432M
IC2133	8-752-052-70	s IC	CXA1487M
IC2134	8-752-069-11	s IC	CXA1577R-7
IC2135	8-759-030-55	s IC	MC1496M
IC2231	8-759-054-61	s IC	CLC505AJE
IC2232	8-752-052-82	s IC	CXA1432M
IC2233	8-752-052-70	s IC	CXA1487M
IC2234	8-752-069-11	s IC	CXA1577R-7
IC2235	8-759-030-55	s IC	MC1496M
IC2361	8-752-360-44	s IC	CXK1203AR
IC2381	8-759-925-74	s IC	SN74HC04ANS-E20

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Ref. No. or Q'ty	Part No.	SP	Description
IC2420	8-759-926-82	s IC	SN74HC574ANS
IC2421	8-759-926-82	s IC	SN74HC574ANS
IC2422	8-759-926-82	s IC	SN74HC574ANS
IC2423	8-759-926-82	s IC	SN74HC574ANS
IC2424	8-759-926-82	s IC	SN74HC574ANS
IC2425	8-752-360-44	s IC	CXK1203AR
IC2441	8-759-925-74	s IC	SN74HC04ANS-E20
IC2442	8-759-150-97	s IC	CXD8068G
IC2443	8-759-926-82	s IC	SN74HC574ANS
IC2444	8-759-012-02	s IC	MC10H124M
IC2445	8-759-012-02	s IC	MC10H124M
IC2446	8-759-012-02	s IC	MC10H124M
IC2447	8-759-926-82	s IC	SN74HC574ANS
IC2448	8-759-926-82	s IC	SN74HC574ANS
IC2541	8-741-601-11	s IC	SBX1601A
IC2542	8-759-058-58	s IC	TC7S04FU(TE85R)
IC2543	8-759-101-12	s IC	UPC311G2
IC2691	8-759-925-74	s IC	SN74HC04ANS-E20
IC2692	8-759-925-85	s IC	SN74HC32ANS
IC2693	8-759-925-90	s IC	SN74HC74ANS
IC2695	8-759-925-74	s IC	SN74HC04ANS-E20
IC2741	8-759-925-74	s IC	SN74HC04ANS-E20
IC2742	8-759-239-58	s IC	TC74HC221AF
IC2743	8-759-239-58	s IC	TC74HC221AF
IC2771	8-759-970-59	s IC	TLC272CPS
IC2772	8-759-902-88	s IC	SN74LS123NS
IC2773	8-759-082-61	s IC	TC4W53FU
IC2801	8-759-926-06	s IC	SN74HC126ANS
IC2802	8-759-925-74	s IC	SN74HC04ANS-E20
IC2911	8-759-925-74	s IC	SN74HC04ANS-E20
IC2916	8-759-037-79	s IC	SN74HC163ANS
IC2917	8-759-037-79	s IC	SN74HC163ANS
IC2922	8-759-011-65	s IC	MC74HC4053F
IC2923	8-759-058-62	s IC	TC7S08FU(TE85R)
IC2924	8-759-060-79	s IC	27HC642-REC0905-2
IC2925	8-759-060-80	s IC	27HC642-REC0906-2
IC3071	8-759-906-53	s IC	TL062CPS
IC3072	8-759-973-71	s IC	TL7705CPS-B
IC3211	8-759-008-37	s IC	MC74HC4050F
IC3212	8-759-011-65	s IC	MC74HC4053F
IC3213	8-759-054-61	s IC	CLC505AJE
IC3214	8-759-906-53	s IC	TL062CPS
IC3215	8-759-082-61	s IC	TC4W53FU
IC3217	8-759-030-55	s IC	MC1496M
IC3219	8-759-035-87	s IC	TC7S00F(TE85R)
IC3351	8-759-011-65	s IC	MC74HC4053F
IC3352	8-759-054-61	s IC	CLC505AJE
IC3353	8-759-906-53	s IC	TL062CPS
IC3355	8-759-030-55	s IC	MC1496M
IC3356	8-759-030-55	s IC	MC1496M
IC3357	8-759-030-55	s IC	MC1496M
IC3541	8-759-011-65	s IC	MC74HC4053F
IC3542	8-759-054-61	s IC	CLC505AJE
IC3543	8-759-906-53	s IC	TL062CPS
IC3545	8-759-030-55	s IC	MC1496M
IC3546	8-759-030-55	s IC	MC1496M
IC3547	8-759-030-55	s IC	MC1496M
IS2442	1-526-856-11	s	SOCKET, IC (PGA) 133P

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Ref. No. or Q'ty	Part No.	SP	Description
IS2541	1-540-106-11	o	SOCKET, IC
IS2924	1-526-816-21	s	SOCKET, IC 24P
IS2925	1-526-816-21	s	SOCKET, IC 24P
L361	1-412-030-11	s	INDUCTOR CHIP 22uH
L362	1-412-030-11	s	INDUCTOR CHIP 22uH
L371	1-412-030-11	s	INDUCTOR CHIP 22uH
L372	1-412-030-11	s	INDUCTOR CHIP 22uH
L591	1-412-030-11	s	INDUCTOR CHIP 22uH
L592	1-412-030-11	s	INDUCTOR CHIP 22uH
L741	1-412-030-11	s	INDUCTOR CHIP 22uH
L742	1-412-030-11	s	INDUCTOR CHIP 22uH
L821	1-412-030-11	s	INDUCTOR CHIP 22uH
L822	1-412-030-11	s	INDUCTOR CHIP 22uH
L1021	1-412-030-11	s	INDUCTOR CHIP 22uH
L1022	1-412-030-11	s	INDUCTOR CHIP 22uH
L1181	1-412-030-11	s	INDUCTOR CHIP 22uH
L1182	1-412-030-11	s	INDUCTOR CHIP 22uH
L1381	1-412-030-11	s	INDUCTOR CHIP 22uH
L1382	1-412-030-11	s	INDUCTOR CHIP 22uH
L1551	1-412-030-11	s	INDUCTOR CHIP 22uH
L1552	1-412-030-11	s	INDUCTOR CHIP 22uH
L1601	1-412-030-11	s	INDUCTOR CHIP 22uH
L1661	1-412-030-11	s	INDUCTOR CHIP 22uH
L1761	1-412-030-11	s	INDUCTOR CHIP 22uH
L1781	1-414-529-21	s	INDUCTOR (POWER)
L1782	1-414-529-21	s	INDUCTOR (POWER)
L1783	1-412-030-11	s	INDUCTOR CHIP 22uH
L1784	1-412-030-11	s	INDUCTOR CHIP 22uH
L1991	1-412-030-11	s	INDUCTOR CHIP 22uH
L1992	1-412-030-11	s	INDUCTOR CHIP 22uH
L1993	1-412-030-11	s	INDUCTOR CHIP 22uH
L1994	1-412-030-11	s	INDUCTOR CHIP 22uH
L2031	1-412-030-11	s	INDUCTOR CHIP 22uH
L2032	1-412-030-11	s	INDUCTOR CHIP 22uH
L2033	1-412-030-11	s	INDUCTOR CHIP 22uH
L2034	1-412-030-11	s	INDUCTOR CHIP 22uH
L2035	1-412-030-11	s	INDUCTOR CHIP 22uH
L2036	1-412-030-11	s	INDUCTOR CHIP 22uH
L2037	1-412-030-11	s	INDUCTOR CHIP 22uH
L2038	1-412-029-11	s	INDUCTOR CHIP 10uH
L2039	1-412-030-11	s	INDUCTOR CHIP 22uH
L2131	1-412-030-11	s	INDUCTOR CHIP 22uH
L2132	1-412-030-11	s	INDUCTOR CHIP 22uH
L2133	1-412-030-11	s	INDUCTOR CHIP 22uH
L2134	1-412-030-11	s	INDUCTOR CHIP 22uH
L2135	1-412-030-11	s	INDUCTOR CHIP 22uH
L2136	1-412-030-11	s	INDUCTOR CHIP 22uH
L2137	1-412-030-11	s	INDUCTOR CHIP 22uH
L2138	1-412-029-11	s	INDUCTOR CHIP 10uH
L2139	1-412-030-11	s	INDUCTOR CHIP 22uH
L2231	1-412-030-11	s	INDUCTOR CHIP 22uH
L2232	1-412-030-11	s	INDUCTOR CHIP 22uH
L2233	1-412-030-11	s	INDUCTOR CHIP 22uH
L2234	1-412-030-11	s	INDUCTOR CHIP 22uH
L2235	1-412-030-11	s	INDUCTOR CHIP 22uH
L2236	1-412-030-11	s	INDUCTOR CHIP 22uH
L2237	1-412-030-11	s	INDUCTOR CHIP 22uH
L2238	1-412-029-11	s	INDUCTOR CHIP 10uH

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Ref. No. or Q'ty	Part No.	SP	Description
L2239	1-412-030-11	s	INDUCTOR CHIP 22uH
L2361	1-412-029-11	s	INDUCTOR CHIP 10uH
L2381	1-412-029-11	s	INDUCTOR CHIP 10uH
L2382	1-412-029-11	s	INDUCTOR CHIP 10uH
L2401	1-412-029-11	s	INDUCTOR CHIP 10uH
L2441	1-412-029-11	s	INDUCTOR CHIP 10uH
L2442	1-412-029-11	s	INDUCTOR CHIP 10uH
L2443	1-412-029-11	s	INDUCTOR CHIP 10uH
L2444	1-412-029-11	s	INDUCTOR CHIP 10uH
L2541	1-412-931-11	s	INDUCTOR 0.22UH
L2542	1-412-030-11	s	INDUCTOR CHIP 22uH
L2543	1-412-029-11	s	INDUCTOR CHIP 10uH
L2551	1-412-030-11	s	INDUCTOR CHIP 22uH
L2552	1-412-030-11	s	INDUCTOR CHIP 22uH
L2691	1-412-030-11	s	INDUCTOR CHIP 22uH
L2692	1-412-030-11	s	INDUCTOR CHIP 22uH
L2741	1-412-030-11	s	INDUCTOR CHIP 22uH
L2771	1-412-030-11	s	INDUCTOR CHIP 22uH
L2801	1-412-030-11	s	INDUCTOR CHIP 22uH
L2802	1-408-769-41	s	INDUCTOR CHIP 2.2UH
L2803	1-412-030-11	s	INDUCTOR CHIP 22uH
L2951	1-412-030-11	s	INDUCTOR CHIP 22uH
L2981	1-412-029-11	s	INDUCTOR CHIP 10uH
L3071	1-414-529-21	s	INDUCTOR (POWER)
L3072	1-412-029-11	s	INDUCTOR CHIP 10uH
L3110	1-414-529-21	s	INDUCTOR (POWER)
L3211	1-412-030-11	s	INDUCTOR CHIP 22uH
L3212	1-412-030-11	s	INDUCTOR CHIP 22uH
L3215	1-412-030-11	s	INDUCTOR CHIP 22uH
L3216	1-412-030-11	s	INDUCTOR CHIP 22uH
L3218	1-412-030-11	s	INDUCTOR CHIP 22uH
L3351	1-412-030-11	s	INDUCTOR CHIP 22uH
L3352	1-412-030-11	s	INDUCTOR CHIP 22uH
L3541	1-412-030-11	s	INDUCTOR CHIP 22uH
Q361	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q371	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q372	8-729-122-63	s	TRANSISTOR 2SA1226
Q373	8-729-122-63	s	TRANSISTOR 2SA1226
Q374	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q375	8-729-216-22	s	TRANSISTOR 2SA1162
Q376	8-729-216-22	s	TRANSISTOR 2SA1162
Q377	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q378	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q379	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q380	8-729-122-63	s	TRANSISTOR 2SA1226
Q381	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q382	8-729-402-19	s	TRANSISTOR XN6501
Q383	8-729-216-22	s	TRANSISTOR 2SA1162
Q384	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q385	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q386	8-729-402-78	s	TRANSISTOR XN6401
Q387	8-729-402-19	s	TRANSISTOR XN6501
Q388	8-729-122-63	s	TRANSISTOR 2SA1226
Q471	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q472	8-729-122-63	s	TRANSISTOR 2SA1226
Q473	8-729-122-63	s	TRANSISTOR 2SA1226
Q474	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q476	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q477	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6

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Ref. No. or Q'ty	Part No.	SP	Description
Q531	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q591	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q592	8-729-122-63	s	TRANSISTOR 2SA1226
Q593	8-729-122-63	s	TRANSISTOR 2SA1226
Q594	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q595	8-729-216-22	s	TRANSISTOR 2SA1162
Q596	8-729-216-22	s	TRANSISTOR 2SA1162
Q597	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q598	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q599	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q600	8-729-122-63	s	TRANSISTOR 2SA1226
Q601	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q602	8-729-402-19	s	TRANSISTOR XN6501
Q603	8-729-216-22	s	TRANSISTOR 2SA1162
Q604	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q605	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q606	8-729-402-78	s	TRANSISTOR XN6401
Q607	8-729-402-19	s	TRANSISTOR XN6501
Q608	8-729-122-63	s	TRANSISTOR 2SA1226
Q681	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q682	8-729-122-63	s	TRANSISTOR 2SA1226
Q683	8-729-122-63	s	TRANSISTOR 2SA1226
Q684	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q686	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q687	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q741	8-729-122-63	s	TRANSISTOR 2SA1226
Q742	8-729-122-63	s	TRANSISTOR 2SA1226
Q761	8-729-122-63	s	TRANSISTOR 2SA1226
Q762	8-729-122-63	s	TRANSISTOR 2SA1226
Q781	8-729-122-63	s	TRANSISTOR 2SA1226
Q782	8-729-122-63	s	TRANSISTOR 2SA1226
Q821	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q822	8-729-122-63	s	TRANSISTOR 2SA1226
Q823	8-729-122-63	s	TRANSISTOR 2SA1226
Q824	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q825	8-729-216-22	s	TRANSISTOR 2SA1162
Q826	8-729-216-22	s	TRANSISTOR 2SA1162
Q827	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q828	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q829	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q830	8-729-122-63	s	TRANSISTOR 2SA1226
Q831	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q832	8-729-402-19	s	TRANSISTOR XN6501
Q833	8-729-216-22	s	TRANSISTOR 2SA1162
Q834	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q835	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q836	8-729-402-78	s	TRANSISTOR XN6401
Q837	8-729-402-19	s	TRANSISTOR XN6501
Q838	8-729-122-63	s	TRANSISTOR 2SA1226
Q911	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q912	8-729-122-63	s	TRANSISTOR 2SA1226
Q913	8-729-122-63	s	TRANSISTOR 2SA1226
Q914	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q916	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q917	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1021	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1022	8-729-122-63	s	TRANSISTOR 2SA1226
Q1023	8-729-122-63	s	TRANSISTOR 2SA1226
Q1024	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6

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Ref. No. or Q'ty	Part No.	SP	Description
Q1025	8-729-216-22	s	TRANSISTOR 2SA1162
Q1026	8-729-216-22	s	TRANSISTOR 2SA1162
Q1027	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1028	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1029	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1030	8-729-122-63	s	TRANSISTOR 2SA1226
Q1031	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1032	8-729-402-19	s	TRANSISTOR XN6501
Q1033	8-729-216-22	s	TRANSISTOR 2SA1162
Q1034	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1035	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1036	8-729-402-78	s	TRANSISTOR XN6401
Q1037	8-729-402-19	s	TRANSISTOR XN6501
Q1038	8-729-122-63	s	TRANSISTOR 2SA1226
Q1111	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1112	8-729-122-63	s	TRANSISTOR 2SA1226
Q1113	8-729-122-63	s	TRANSISTOR 2SA1226
Q1114	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1116	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1117	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1181	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1182	8-729-122-63	s	TRANSISTOR 2SA1226
Q1183	8-729-122-63	s	TRANSISTOR 2SA1226
Q1184	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1185	8-729-216-22	s	TRANSISTOR 2SA1162
Q1186	8-729-216-22	s	TRANSISTOR 2SA1162
Q1187	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1188	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1189	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1190	8-729-122-63	s	TRANSISTOR 2SA1226
Q1191	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1192	8-729-402-19	s	TRANSISTOR XN6501
Q1193	8-729-216-22	s	TRANSISTOR 2SA1162
Q1194	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1195	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1196	8-729-402-78	s	TRANSISTOR XN6401
Q1197	8-729-402-19	s	TRANSISTOR XN6501
Q1198	8-729-122-63	s	TRANSISTOR 2SA1226
Q1271	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1272	8-729-122-63	s	TRANSISTOR 2SA1226
Q1273	8-729-122-63	s	TRANSISTOR 2SA1226
Q1274	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1276	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1277	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1381	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1382	8-729-122-63	s	TRANSISTOR 2SA1226
Q1383	8-729-122-63	s	TRANSISTOR 2SA1226
Q1384	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1385	8-729-216-22	s	TRANSISTOR 2SA1162
Q1386	8-729-216-22	s	TRANSISTOR 2SA1162
Q1387	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1388	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1389	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1390	8-729-122-63	s	TRANSISTOR 2SA1226
Q1391	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1392	8-729-402-19	s	TRANSISTOR XN6501
Q1393	8-729-216-22	s	TRANSISTOR 2SA1162
Q1394	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1395	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6

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Ref. No. or Q'ty	Part No.	SP	Description
Q1396	8-729-402-78	s	TRANSISTOR XN6401
Q1397	8-729-402-19	s	TRANSISTOR XN6501
Q1398	8-729-122-63	s	TRANSISTOR 2SA1226
Q1471	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1472	8-729-122-63	s	TRANSISTOR 2SA1226
Q1473	8-729-122-63	s	TRANSISTOR 2SA1226
Q1474	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1476	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1477	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1551	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1552	8-729-216-22	s	TRANSISTOR 2SA1162
Q1553	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1554	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1556	8-729-216-22	s	TRANSISTOR 2SA1162
Q1557	8-729-216-22	s	TRANSISTOR 2SA1162
Q1558	8-729-216-22	s	TRANSISTOR 2SA1162
Q1559	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1560	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1561	8-729-216-22	s	TRANSISTOR 2SA1162
Q1562	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1781	8-729-101-07	s	TRANSISTOR 2SB798
Q1782	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q1783	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1784	8-729-216-22	s	TRANSISTOR 2SA1162
Q1785	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1786	8-729-216-22	s	TRANSISTOR 2SA1162
Q1787	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1788	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1789	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1790	8-729-216-22	s	TRANSISTOR 2SA1162
Q1991	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1992	8-729-216-22	s	TRANSISTOR 2SA1162
Q2031	8-729-216-22	s	TRANSISTOR 2SA1162
Q2032	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2033	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2034	8-729-122-63	s	TRANSISTOR 2SA1226
Q2035	8-729-122-63	s	TRANSISTOR 2SA1226
Q2131	8-729-216-22	s	TRANSISTOR 2SA1162
Q2132	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2133	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2134	8-729-122-63	s	TRANSISTOR 2SA1226
Q2135	8-729-122-63	s	TRANSISTOR 2SA1226
Q2231	8-729-216-22	s	TRANSISTOR 2SA1162
Q2232	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2233	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2234	8-729-122-63	s	TRANSISTOR 2SA1226
Q2235	8-729-122-63	s	TRANSISTOR 2SA1226
Q2541	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2548	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2571	8-729-105-68	s	TRANSISTOR 2SC3356-K
Q2572	8-729-105-68	s	TRANSISTOR 2SC3356-K
Q2581	8-729-105-68	s	TRANSISTOR 2SC3356-K
Q2582	8-729-105-68	s	TRANSISTOR 2SC3356-K
Q2771	8-729-122-63	s	TRANSISTOR 2SA1226
Q3071	8-729-101-07	s	TRANSISTOR 2SB798
Q3072	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3110	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q3211	8-729-216-22	s	TRANSISTOR 2SA1162
Q3212	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6

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Ref. No. or Q'ty	Part No.	SP	Description
Q3213	8-729-122-63	s	TRANSISTOR 2SA1226
Q3215	8-729-216-22	s	TRANSISTOR 2SA1162
Q3216	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3217	8-729-216-22	s	TRANSISTOR 2SA1162
Q3218	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q3219	8-729-122-63	s	TRANSISTOR 2SA1226
Q3220	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3221	8-729-122-63	s	TRANSISTOR 2SA1226
Q3222	8-729-216-22	s	TRANSISTOR 2SA1162
Q3223	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3224	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3225	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3226	8-729-216-22	s	TRANSISTOR 2SA1162
Q3227	8-729-216-22	s	TRANSISTOR 2SA1162
Q3228	8-729-039-89	s	TRANSISTOR 2SC3082KT146Q
Q3229	8-729-216-22	s	TRANSISTOR 2SA1162
Q3230	8-729-216-22	s	TRANSISTOR 2SA1162
Q3231	8-729-039-89	s	TRANSISTOR 2SC3082KT146Q
Q3232	8-729-216-22	s	TRANSISTOR 2SA1162
Q3233	8-729-216-22	s	TRANSISTOR 2SA1162
Q3234	8-729-026-31	s	TRANSISTOR XP6435
Q3235	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q3236	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q3237	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3351	8-729-216-22	s	TRANSISTOR 2SA1162
Q3352	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3354	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q3355	8-729-216-22	s	TRANSISTOR 2SA1162
Q3356	8-729-216-22	s	TRANSISTOR 2SA1162
Q3357	8-729-122-63	s	TRANSISTOR 2SA1226
Q3358	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3359	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3360	8-729-026-32	s	TRANSISTOR XP6534
Q3361	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q3362	8-729-122-63	s	TRANSISTOR 2SA1226
Q3363	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q3364	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q3367	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3368	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3369	8-729-026-32	s	TRANSISTOR XP6534
Q3370	8-729-216-22	s	TRANSISTOR 2SA1162
Q3371	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q3372	8-729-122-63	s	TRANSISTOR 2SA1226
Q3373	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q3374	8-729-122-63	s	TRANSISTOR 2SA1226
Q3375	8-729-122-63	s	TRANSISTOR 2SA1226
Q3376	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3377	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3378	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3379	8-729-026-31	s	TRANSISTOR XP6435
Q3380	8-729-026-32	s	TRANSISTOR XP6534
Q3381	8-729-026-31	s	TRANSISTOR XP6435
Q3382	8-729-026-32	s	TRANSISTOR XP6534
Q3383	8-729-122-63	s	TRANSISTOR 2SA1226
Q3384	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3385	8-729-122-63	s	TRANSISTOR 2SA1226
Q3386	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3387	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3541	8-729-216-22	s	TRANSISTOR 2SA1162

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Ref. No. or Q'ty	Part No.	SP	Description
Q3542	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3544	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q3545	8-729-216-22	s	TRANSISTOR 2SA1162
Q3546	8-729-216-22	s	TRANSISTOR 2SA1162
Q3547	8-729-122-63	s	TRANSISTOR 2SA1226
Q3549	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3550	8-729-026-32	s	TRANSISTOR XP6534
Q3551	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q3552	8-729-122-63	s	TRANSISTOR 2SA1226
Q3553	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q3554	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q3557	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3558	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3559	8-729-026-32	s	TRANSISTOR XP6534
Q3560	8-729-216-22	s	TRANSISTOR 2SA1162
Q3561	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q3562	8-729-122-63	s	TRANSISTOR 2SA1226
Q3563	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q3564	8-729-122-63	s	TRANSISTOR 2SA1226
Q3565	8-729-122-63	s	TRANSISTOR 2SA1226
Q3566	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3567	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3568	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3569	8-729-026-31	s	TRANSISTOR XP6435
Q3570	8-729-026-32	s	TRANSISTOR XP6534
Q3571	8-729-026-31	s	TRANSISTOR XP6435
Q3572	8-729-026-32	s	TRANSISTOR XP6534
Q3573	8-729-122-63	s	TRANSISTOR 2SA1226
Q3574	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3575	8-729-122-63	s	TRANSISTOR 2SA1226
Q3576	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3577	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
R361	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R362	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R363	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R364	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R365	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R366	1-216-099-00	s	METAL, CHIP 120K 5% 1/10W
R371	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R372	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R373	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R374	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R375	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R376	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R377	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R378	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R379	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R380	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R381	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R382	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R383	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R384	1-216-061-00	s	METAL, CHIP 3.3K 5% 1/10W
R385	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R386	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R387	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R388	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R389	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R390	1-216-037-00	s	METAL, CHIP 330 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R391	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R392	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R393	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R394	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R395	1-216-079-00	s	METAL, CHIP 18K 5% 1/10W
R396	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R397	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R399	1-218-776-11	s	METAL, CHIP 1M 0.50% 1/10W
R400	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R401	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R402	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R403	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R404	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R405	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R406	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R407	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R408	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R409	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R410	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R411	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R413	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R414	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R415	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R416	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R417	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R418	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R419	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R420	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R421	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R423	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R424	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R425	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R426	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R427	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R428	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R429	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R430	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R431	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R432	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R434	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R435	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R436	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R437	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R438	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R439	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R442	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R461	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R462	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R463	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R464	1-216-099-00	s	METAL, CHIP 120K 5% 1/10W
R471	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R472	1-216-061-00	s	METAL, CHIP 3.3K 5% 1/10W
R473	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R474	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R475	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R476	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R477	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R478	1-216-037-00	s	METAL, CHIP 330 5% 1/10W
R479	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R480	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R481	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R482	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R484	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R486	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R488	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R489	1-218-776-11	s	METAL, CHIP 1M 0.50% 1/10W
R490	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R491	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R494	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R495	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R496	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R497	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R498	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R499	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R500	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R501	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R502	1-216-109-00	s	METAL, CHIP 330K 5% 1/10W
R531	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R532	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R533	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R534	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R535	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R536	1-216-099-00	s	METAL, CHIP 120K 5% 1/10W
R541	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R542	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R543	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R544	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R545	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R546	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R547	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R548	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R549	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R550	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R551	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R552	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R553	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R554	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R555	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R556	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R581	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R582	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R583	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R584	1-216-099-00	s	METAL, CHIP 120K 5% 1/10W
R591	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R592	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R593	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R594	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R595	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R596	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R597	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R598	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R599	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R600	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R601	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R602	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R603	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R604	1-216-061-00	s	METAL, CHIP 3.3K 5% 1/10W
R605	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R606	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R607	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R608	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R609	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R610	1-216-037-00	s	METAL, CHIP 330 5% 1/10W
R611	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R612	1-216-041-00	s	METAL, CHIP 470 5% 1/10W
R613	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R614	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R615	1-216-079-00	s	METAL, CHIP 18K 5% 1/10W
R616	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R617	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R619	1-218-776-11	s	METAL, CHIP 1M 0.50% 1/10W
R620	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R621	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R622	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R623	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R624	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R625	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R626	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R627	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R628	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R629	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R630	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R631	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R633	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R634	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R635	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R636	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R637	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R638	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R639	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R640	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R641	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R643	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R644	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R645	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R646	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R647	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R648	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R649	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R650	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R651	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R652	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R654	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R655	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R656	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R657	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R658	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R659	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R662	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R681	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R682	1-216-061-00	s	METAL, CHIP 3.3K 5% 1/10W
R683	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R684	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R685	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R686	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R687	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R688	1-216-037-00	s	METAL, CHIP 330 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP Description
R689	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R690	1-216-655-11	s METAL, CHIP 1.5K 0.50% 1/10W
R691	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R692	1-216-655-11	s METAL, CHIP 1.5K 0.50% 1/10W
R694	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R696	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R698	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R699	1-218-776-11	s METAL, CHIP 1M 0.50% 1/10W
R700	1-216-025-91	s METAL, CHIP 100 5% 1/10W
R701	1-216-647-11	s METAL, CHIP 680 0.5% 1/10W
R704	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R705	1-216-025-91	s METAL, CHIP 100 5% 1/10W
R706	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R707	1-216-063-91	s METAL, CHIP 3.9K 5% 1/10W
R708	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R709	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R710	1-216-069-00	s METAL, CHIP 6.8K 5% 1/10W
R711	1-216-069-00	s METAL, CHIP 6.8K 5% 1/10W
R712	1-216-109-00	s METAL, CHIP 330K 5% 1/10W
R741	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R742	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R743	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R744	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R745	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R746	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R747	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R748	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R750	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R751	1-216-664-11	s METAL 3.6K 0.50% 1/10W
R753	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R761	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R762	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R763	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R764	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R765	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R766	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R767	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R768	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R770	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R771	1-216-664-11	s METAL 3.6K 0.50% 1/10W
R773	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R781	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R782	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R783	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R784	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R785	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R786	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R787	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R788	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R790	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R791	1-216-664-11	s METAL 3.6K 0.50% 1/10W
R793	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R821	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R822	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R823	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R824	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R825	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R826	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R827	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP Description
R828	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R829	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R830	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R831	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R832	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R833	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R834	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R835	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R836	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R837	1-216-025-91	s METAL, CHIP 100 5% 1/10W
R838	1-216-025-91	s METAL, CHIP 100 5% 1/10W
R839	1-216-063-91	s METAL, CHIP 3.9K 5% 1/10W
R840	1-216-037-00	s METAL, CHIP 330 5% 1/10W
R841	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R842	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R843	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R844	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R845	1-216-079-00	s METAL, CHIP 18K 5% 1/10W
R846	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R847	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R849	1-218-776-11	s METAL, CHIP 1M 0.50% 1/10W
R850	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R851	1-216-665-11	s METAL, CHIP 3.9K 0.5% 1/10W
R852	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R853	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R854	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R855	1-216-025-91	s METAL, CHIP 100 5% 1/10W
R856	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R857	1-216-025-91	s METAL, CHIP 100 5% 1/10W
R858	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R859	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R860	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R861	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R863	1-216-025-91	s METAL, CHIP 100 5% 1/10W
R864	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R865	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R866	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R867	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R868	1-216-025-91	s METAL, CHIP 100 5% 1/10W
R869	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R870	1-216-025-91	s METAL, CHIP 100 5% 1/10W
R871	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R873	1-216-647-11	s METAL, CHIP 680 0.5% 1/10W
R874	1-216-025-91	s METAL, CHIP 100 5% 1/10W
R875	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R876	1-216-057-00	s METAL, CHIP 2.2K 5% 1/10W
R877	1-216-063-91	s METAL, CHIP 3.9K 5% 1/10W
R878	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R879	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R880	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R881	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R882	1-216-069-00	s METAL, CHIP 6.8K 5% 1/10W
R884	1-216-025-91	s METAL, CHIP 100 5% 1/10W
R885	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R886	1-216-025-91	s METAL, CHIP 100 5% 1/10W
R887	1-216-025-91	s METAL, CHIP 100 5% 1/10W
R888	1-216-025-91	s METAL, CHIP 100 5% 1/10W
R889	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R892	1-216-025-91	s METAL, CHIP 100 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R911	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R912	1-216-061-00	s	METAL, CHIP 3.3K 5% 1/10W
R913	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R914	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R915	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R916	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R917	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R918	1-216-037-00	s	METAL, CHIP 330 5% 1/10W
R919	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R920	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R921	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R922	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R924	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R926	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R928	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R929	1-218-776-11	s	METAL, CHIP 1M 0.50% 1/10W
R930	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R931	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R934	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R935	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R936	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R937	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R938	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R939	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R940	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R941	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R942	1-216-109-00	s	METAL, CHIP 330K 5% 1/10W
R971	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R972	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R973	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R974	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R975	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R976	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R977	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R978	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R979	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R980	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R981	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R982	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R983	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R984	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R985	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R986	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1021	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1022	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1023	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1024	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1025	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1026	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1027	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1028	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1029	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1030	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1031	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1032	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1033	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1034	1-216-061-00	s	METAL, CHIP 3.3K 5% 1/10W
R1035	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1036	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R1037	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1038	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1039	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R1040	1-216-037-00	s	METAL, CHIP 330 5% 1/10W
R1041	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1042	1-216-041-00	s	METAL, CHIP 470 5% 1/10W
R1043	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R1044	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1045	1-216-079-00	s	METAL, CHIP 18K 5% 1/10W
R1046	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R1047	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R1049	1-218-776-11	s	METAL, CHIP 1M 0.50% 1/10W
R1050	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1051	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R1052	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1053	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1054	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1055	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1056	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1057	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1058	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1059	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1060	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1061	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R1063	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1064	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R1065	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R1066	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1067	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1068	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1069	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1070	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1071	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1073	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R1074	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1075	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1076	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R1077	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R1078	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R1079	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1080	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1081	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1082	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R1084	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1085	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1086	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1087	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1088	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1089	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1092	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1111	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1112	1-216-061-00	s	METAL, CHIP 3.3K 5% 1/10W
R1113	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1114	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1115	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1116	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1117	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R1118	1-216-037-00	s	METAL, CHIP 330 5% 1/10W
R1119	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R1120	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R1121	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R1122	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R1124	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R1126	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R1128	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1129	1-218-776-11	s	METAL, CHIP 1M 0.50% 1/10W
R1130	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1131	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R1134	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1135	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1136	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1137	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R1138	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R1139	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1140	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R1141	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R1142	1-216-109-00	s	METAL, CHIP 330K 5% 1/10W
R1181	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1182	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1183	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1184	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1185	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1186	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1187	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1188	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1189	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1190	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1191	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1192	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1193	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1194	1-216-061-00	s	METAL, CHIP 3.3K 5% 1/10W
R1195	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1196	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1197	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1198	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1199	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R1200	1-216-037-00	s	METAL, CHIP 330 5% 1/10W
R1201	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1202	1-216-041-00	s	METAL, CHIP 470 5% 1/10W
R1203	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R1204	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1205	1-216-079-00	s	METAL, CHIP 18K 5% 1/10W
R1206	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R1207	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R1209	1-218-776-11	s	METAL, CHIP 1M 0.50% 1/10W
R1210	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1211	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R1212	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1213	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1214	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1215	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1216	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1217	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1218	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1219	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1220	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1221	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R1223	1-216-025-91	s	METAL, CHIP 100 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R1224	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R1225	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R1226	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1227	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1228	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1229	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1230	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1231	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1233	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R1234	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1235	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1236	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R1237	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R1238	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R1239	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1240	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1241	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1242	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R1244	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1245	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1246	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1247	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1248	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1249	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1252	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1271	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1272	1-216-061-00	s	METAL, CHIP 3.3K 5% 1/10W
R1273	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1274	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1275	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1276	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1277	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R1278	1-216-037-00	s	METAL, CHIP 330 5% 1/10W
R1279	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1280	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R1281	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R1282	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R1284	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R1286	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R1288	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1289	1-218-776-11	s	METAL, CHIP 1M 0.50% 1/10W
R1290	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1291	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R1294	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1295	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1296	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1297	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R1298	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1299	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R1300	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R1301	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R1302	1-216-109-00	s	METAL, CHIP 330K 5% 1/10W
R1331	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1332	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1333	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1334	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1335	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1336	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1337	1-216-025-91	s	METAL, CHIP 100 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R1338	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1339	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1340	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1341	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1342	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1343	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1344	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1345	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1346	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1381	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1382	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1383	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1384	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1385	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1386	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1387	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1388	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1389	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1390	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1391	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1392	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1393	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1394	1-216-061-00	s	METAL, CHIP 3.3K 5% 1/10W
R1395	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1396	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1397	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1398	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1399	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R1400	1-216-037-00	s	METAL, CHIP 330 5% 1/10W
R1401	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1402	1-216-041-00	s	METAL, CHIP 470 5% 1/10W
R1403	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R1404	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1405	1-216-079-00	s	METAL, CHIP 18K 5% 1/10W
R1406	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R1407	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R1409	1-218-776-11	s	METAL, CHIP 1M 0.50% 1/10W
R1410	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1411	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R1412	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1413	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1414	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1415	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1416	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1417	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1418	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1419	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1420	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1421	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R1423	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1424	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R1425	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R1426	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1427	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1428	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1429	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1430	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1431	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1433	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R1434	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1435	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1436	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R1437	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R1438	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R1439	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1440	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1441	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1442	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R1444	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1445	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1446	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1447	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1448	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1449	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1452	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1471	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1472	1-216-061-00	s	METAL, CHIP 3.3K 5% 1/10W
R1473	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1474	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1475	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1476	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1477	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R1478	1-216-037-00	s	METAL, CHIP 330 5% 1/10W
R1479	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1480	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R1481	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R1482	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R1483	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R1486	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R1488	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1489	1-218-776-11	s	METAL, CHIP 1M 0.50% 1/10W
R1490	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1491	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R1494	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1495	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1496	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1497	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R1498	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R1499	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1500	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R1501	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R1502	1-216-109-00	s	METAL, CHIP 330K 5% 1/10W
R1519	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R1520	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R1521	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R1522	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R1523	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R1524	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R1525	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R1526	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R1551	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1552	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1553	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1556	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R1557	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R1558	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1559	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R1560	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R1561	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R1562	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1563	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1564	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1566	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1567	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1568	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1569	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R1571	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1572	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R1573	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1574	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1575	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1576	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1578	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1579	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R1580	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1581	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1582	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1583	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1584	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1585	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R1586	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R1616	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1618	1-216-685-11	s	METAL, CHIP 27K 0.5% 1/10W
R1620	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1621	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1622	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1623	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1624	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1626	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1627	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1628	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1629	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1630	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1631	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R1632	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R1633	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1661	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1662	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1663	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1664	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1665	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1666	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1667	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1668	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1669	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1670	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1671	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1672	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1677	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1678	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1679	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1680	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1681	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1682	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1683	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1684	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1685	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R1686	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1687	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1690	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1691	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1692	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1694	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1695	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1696	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1697	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1698	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1699	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1700	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1701	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1702	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1706	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1707	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1708	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1709	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1710	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1711	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1712	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1713	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1714	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1715	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1716	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1717	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1718	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1719	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1720	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1721	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R1722	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1723	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1724	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1725	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1761	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1762	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1781	1-216-009-00	s	METAL, CHIP 22 5% 1/10W
R1782	1-216-009-00	s	METAL, CHIP 22 5% 1/10W
R1783	1-216-009-00	s	METAL, CHIP 22 5% 1/10W
R1784	1-216-009-00	s	METAL, CHIP 22 5% 1/10W
R1785	1-216-009-00	s	METAL, CHIP 22 5% 1/10W
R1786	1-216-009-00	s	METAL, CHIP 22 5% 1/10W
R1787	1-216-009-00	s	METAL, CHIP 22 5% 1/10W
R1788	1-216-009-00	s	METAL, CHIP 22 5% 1/10W
R1789	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R1790	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R1791	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R1792	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R1793	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R1794	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1795	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R1796	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R1797	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R1798	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R1799	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R1800	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R1801	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R1802	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1803	1-216-095-00	s	METAL, CHIP 82K 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R1804	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R1805	1-216-089-91	s	METAL, CHIP 47K 5% 1/10W
R1806	1-216-095-00	s	METAL, CHIP 82K 5% 1/10W
R1807	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R1808	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1809	1-216-103-00	s	METAL, CHIP 180K 5% 1/10W
R1810	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R1811	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1812	1-216-073-00	s	METAL, CHIP 10K 5% 1/10W
R1813	1-216-061-00	s	METAL, CHIP 3.3K 5% 1/10W
R1814	1-216-061-00	s	METAL, CHIP 3.3K 5% 1/10W
R1815	1-216-089-91	s	METAL, CHIP 47K 5% 1/10W
R1816	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R1817	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1819	1-216-059-00	s	METAL, CHIP 2.7K 5% 1/10W
R1821	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1822	1-216-081-00	s	METAL, CHIP 22K 5% 1/10W
R1823	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1824	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1825	1-216-081-00	s	METAL, CHIP 22K 5% 1/10W
R1826	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1827	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1828	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1830	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1831	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R1991	1-216-669-11	s	METAL, CHIP 5.6K 0.5% 1/10W
R1992	1-216-669-11	s	METAL, CHIP 5.6K 0.5% 1/10W
R1993	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1994	1-216-674-11	s	METAL, CHIP 9.1K 0.5% 1/10W
R1997	1-216-635-11	s	METAL, CHIP 220 0.5% 1/10W
R1998	1-216-635-11	s	METAL, CHIP 220 0.5% 1/10W
R2000	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W
R2003	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R2004	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R2005	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R2006	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R2007	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R2008	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R2031	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2032	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2033	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2034	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2035	1-216-295-00	s	METAL, CHIP 0 1/10W
R2036	1-216-682-11	s	METAL, CHIP 20K 0.5% 1/10W
R2037	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R2038	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2039	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W
R2040	1-216-673-11	s	METAL, CHIP 8.2K 0.5% 1/10W
R2041	1-216-695-11	s	METAL, CHIP 68K 0.50% 1/10W
R2042	1-216-631-11	s	METAL, CHIP 150 0.50% 1/10W
R2043	1-216-631-11	s	METAL, CHIP 150 0.50% 1/10W
R2044	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R2045	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2046	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2047	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R2048	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R2049	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2050	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2051	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R2052	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2053	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R2054	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R2055	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R2058	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R2059	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R2060	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R2061	1-216-668-11	s	METAL, CHIP 5.1K 0.5% 1/10W
R2062	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2063	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2064	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2065	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2066	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2067	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2068	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2069	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2070	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2071	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2072	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2073	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R2074	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R2075	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R2076	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2077	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R2079	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R2080	1-216-672-11	s	METAL, CHIP 7.5K 0.5% 1/10W
R2081	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2082	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2083	1-216-059-00	s	METAL, CHIP 2.7K 5% 1/10W
R2084	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R2085	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2086	1-216-645-11	s	METAL, CHIP 560 0.50% 1/10W
R2087	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R2088	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R2089	1-216-295-00	s	METAL, CHIP 0 1/10W
R2090	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R2091	1-216-105-91	s	METAL, CHIP 220K 5% 1/10W
R2131	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2132	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2133	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2134	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2135	1-216-295-00	s	METAL, CHIP 0 1/10W
R2136	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R2137	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R2138	1-216-650-11	s	METAL, CHIP 910 0.50% 1/10W
R2139	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W
R2140	1-216-673-11	s	METAL, CHIP 8.2K 0.5% 1/10W
R2141	1-216-695-11	s	METAL, CHIP 68K 0.50% 1/10W
R2142	1-215-401-11	s	METAL, CHIP 150 1% 1/6W
R2143	1-216-631-11	s	METAL, CHIP 150 0.50% 1/10W
R2144	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R2145	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2146	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2147	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R2148	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R2149	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2150	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2151	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W
R2152	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R2153	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R2154	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R2155	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R2158	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R2159	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R2160	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R2161	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2162	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2163	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2164	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2165	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2166	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2167	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2168	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2169	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2170	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2171	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2172	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R2173	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R2174	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R2175	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2176	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R2178	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R2179	1-216-672-11	s	METAL, CHIP 7.5K 0.5% 1/10W
R2180	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2181	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2182	1-216-059-00	s	METAL, CHIP 2.7K 5% 1/10W
R2183	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R2184	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2185	1-216-645-11	s	METAL 560 0.50% 1/10W
R2186	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R2187	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R2188	1-216-295-00	s	METAL, CHIP 0 1/10W
R2189	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W
R2190	1-216-105-91	s	METAL, CHIP 220K 5% 1/10W
R2231	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2232	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2233	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2234	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2235	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R2236	1-216-295-00	s	METAL, CHIP 0 1/10W
R2237	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R2238	1-216-650-11	s	METAL, CHIP 910 0.50% 1/10W
R2239	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W
R2240	1-216-673-11	s	METAL, CHIP 8.2K 0.5% 1/10W
R2241	1-216-695-11	s	METAL, CHIP 68K 0.50% 1/10W
R2242	1-215-401-11	s	METAL 150 1% 1/6W
R2243	1-216-631-11	s	METAL 150 0.50% 1/10W
R2244	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R2245	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2246	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2247	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R2248	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R2249	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2250	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2251	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W
R2252	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2253	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R2254	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R2255	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R2258	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R2259	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R2260	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R2261	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2262	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2263	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2264	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2265	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2266	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2267	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2268	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2269	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2270	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2271	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2272	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R2273	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R2274	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R2275	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2276	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R2278	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R2279	1-216-672-11	s	METAL, CHIP 7.5K 0.5% 1/10W
R2280	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2281	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2282	1-216-059-00	s	METAL, CHIP 2.7K 5% 1/10W
R2283	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R2284	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2285	1-216-645-11	s	METAL 560 0.50% 1/10W
R2286	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R2287	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R2288	1-216-295-00	s	METAL, CHIP 0 1/10W
R2289	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W
R2290	1-216-105-91	s	METAL, CHIP 220K 5% 1/10W
R2291	1-216-295-00	s	METAL, CHIP 0 1/10W
R2292	1-216-295-00	s	METAL, CHIP 0 1/10W
R2361	1-216-009-00	s	METAL, CHIP 22 5% 1/10W
R2362	1-216-009-00	s	METAL, CHIP 22 5% 1/10W
R2363	1-216-009-00	s	METAL, CHIP 22 5% 1/10W
R2364	1-216-009-00	s	METAL, CHIP 22 5% 1/10W
R2365	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2366	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2367	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2368	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2369	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2370	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2381	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2382	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2440	1-216-009-00	s	METAL, CHIP 22 5% 1/10W
R2442	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R2443	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R2444	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R2445	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R2446	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R2447	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2448	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2449	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R2450	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2451	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R2453	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R2454	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2455	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2456	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2457	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2458	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2459	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2460	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2461	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2462	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2463	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2464	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2465	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2466	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2467	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2468	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2469	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2470	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2471	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2472	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2473	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2474	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2475	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2476	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2477	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R2478	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R2490	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R2491	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R2492	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R2493	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R2511	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R2512	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R2513	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R2514	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R2515	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R2516	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R2517	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R2518	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R2527	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R2528	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R2529	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R2530	1-216-029-00	s	METAL, CHIP 150 5% 1/10W
R2541	1-216-631-11	s	METAL 150 0.50% 1/10W
R2542	1-216-631-11	s	METAL 150 0.50% 1/10W
R2543	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2544	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2545	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R2546	1-216-653-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R2547	1-216-694-11	s	METAL, CHIP 62K 0.50% 1/10W
R2548	1-216-684-11	s	METAL, CHIP 24K 0.50% 1/10W
R2571	1-216-635-11	s	METAL, CHIP 220 0.5% 1/10W
R2572	1-216-635-11	s	METAL, CHIP 220 0.5% 1/10W
R2573	1-216-625-11	s	METAL, CHIP 82 0.5% 1/10W
R2574	1-216-615-11	s	METAL 33 0.50% 1/10W
R2575	1-216-615-11	s	METAL 33 0.50% 1/10W
R2576	1-216-624-11	s	METAL 75 0.50% 1/10W
R2577	1-216-624-11	s	METAL 75 0.50% 1/10W
R2578	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2579	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2580	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R2581	1-216-625-11	s	METAL, CHIP 82 0.5% 1/10W
R2582	1-216-615-11	s	METAL 33 0.50% 1/10W
R2583	1-216-615-11	s	METAL 33 0.50% 1/10W
R2584	1-216-624-11	s	METAL 75 0.50% 1/10W
R2585	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2586	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2587	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2588	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2598	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R2691	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2692	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2693	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2694	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2696	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2697	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2698	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2699	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2700	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2701	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2702	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2703	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2704	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2706	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2708	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W
R2709	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W
R2710	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W
R2711	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2712	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2714	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R2715	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R2741	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2742	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R2743	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R2744	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2745	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2746	1-216-670-11	s	METAL 6.2K 0.50% 1/10W
R2747	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2748	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R2771	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R2772	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R2773	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2774	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R2775	1-216-679-11	s	METAL, CHIP 15K 0.5% 1/10W
R2776	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R2777	1-218-764-11	s	METAL, CHIP 330K 0.50% 1/10W
R2778	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2779	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2780	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2781	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R2782	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2783	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R2784	1-216-670-11	s	METAL 6.2K 0.50% 1/10W
R2801	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R2802	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R2803	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R2804	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R2805	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R2806	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2807	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R2808	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2809	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2810	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R2811	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R2951	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R2952	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R2953	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R2961	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2962	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2963	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2964	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2965	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2981	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2982	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2983	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2984	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2985	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2986	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2987	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2988	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2989	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2990	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2991	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2992	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2993	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2994	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2995	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2996	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2997	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2998	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2999	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R3000	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R3001	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3072	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R3073	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R3075	1-216-682-11	s	METAL, CHIP 20K 0.5% 1/10W
R3076	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R3077	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3078	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R3079	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R3080	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R3081	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R3082	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R3111	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R3112	1-216-691-11	s	METAL, CHIP 47K 0.50% 1/10W
R3113	1-216-095-00	s	METAL, CHIP 82K 5% 1/10W
R3211	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R3213	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3214	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3215	1-216-041-00	s	METAL, CHIP 470 5% 1/10W
R3216	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3217	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3218	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R3219	1-216-077-00	s	METAL, CHIP 15K 5% 1/10W
R3220	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R3221	1-216-099-00	s	METAL, CHIP 120K 5% 1/10W
R3222	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R3223	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R3224	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R3225	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3228	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R3229	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3230	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3232	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R3233	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R3235	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R3238	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3240	1-216-055-00	s	METAL, CHIP 1.8K 5% 1/10W
R3241	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3242	1-216-055-00	s	METAL, CHIP 1.8K 5% 1/10W
R3246	1-218-762-11	s	METAL, CHIP 270K 0.50% 1/10W
R3247	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R3248	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R3249	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3250	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R3251	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R3252	1-216-658-11	s	METAL, CHIP 2K 0.5% 1/10W
R3253	1-216-644-11	s	METAL, CHIP 510 0.5% 1/10W
R3256	1-216-061-00	s	METAL, CHIP 3.3K 5% 1/10W
R3257	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3258	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3259	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3260	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3261	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R3262	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R3265	1-216-660-11	s	METAL, CHIP 2.4K 0.50% 1/10W
R3269	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R3270	1-216-674-11	s	METAL, CHIP 9.1K 0.5% 1/10W
R3271	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R3272	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3273	1-216-071-00	s	METAL, CHIP 8.2K 5% 1/10W
R3274	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3275	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R3276	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R3282	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R3283	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3284	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3285	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3286	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3287	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R3288	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R3290	1-216-692-11	s	METAL, CHIP 51K 0.50% 1/10W
R3291	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R3293	1-216-059-00	s	METAL, CHIP 2.7K 5% 1/10W
R3294	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3295	1-216-041-00	s	METAL, CHIP 470 5% 1/10W
R3296	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R3297	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W
R3298	1-216-041-00	s	METAL, CHIP 470 5% 1/10W
R3299	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3300	1-216-053-00	s	METAL, CHIP 1.5K 5% 1/10W
R3301	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3302	1-216-041-00	s	METAL, CHIP 470 5% 1/10W
R3303	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3304	1-216-059-00	s	METAL, CHIP 2.7K 5% 1/10W
R3305	1-216-311-00	s	METAL, CHIP 6.8 5% 1/10W
R3306	1-216-668-11	s	METAL, CHIP 5.1K 0.5% 1/10W
R3307	1-216-668-11	s	METAL, CHIP 5.1K 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R3308	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3310	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R3311	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3317	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R3318	1-216-683-11	s	METAL, CHIP 22K 0.50% 1/10W
R3319	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R3320	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R3321	1-216-061-00	s	METAL, CHIP 3.3K 5% 1/10W
R3322	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3323	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R3351	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R3353	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3354	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3355	1-216-041-00	s	METAL, CHIP 470 5% 1/10W
R3356	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3357	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3358	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R3359	1-216-077-00	s	METAL, CHIP 15K 5% 1/10W
R3360	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R3361	1-216-099-00	s	METAL, CHIP 120K 5% 1/10W
R3362	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R3363	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R3364	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R3365	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3368	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R3369	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3370	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3371	1-216-654-11	s	METAL, CHIP 1.3K 0.5% 1/10W
R3372	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R3373	1-216-654-11	s	METAL, CHIP 1.3K 0.5% 1/10W
R3377	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R3378	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3380	1-216-055-00	s	METAL, CHIP 1.8K 5% 1/10W
R3381	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3382	1-216-055-00	s	METAL, CHIP 1.8K 5% 1/10W
R3383	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R3384	1-216-295-00	s	METAL, CHIP 0 1/10W
R3387	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R3388	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R3389	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3390	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R3391	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R3392	1-216-658-11	s	METAL, CHIP 2K 0.5% 1/10W
R3393	1-216-644-11	s	METAL, CHIP 510 0.5% 1/10W
R3394	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3395	1-216-654-11	s	METAL, CHIP 1.3K 0.5% 1/10W
R3396	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3397	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3398	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3399	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R3400	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R3401	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3402	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3403	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3404	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R3405	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3406	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R3407	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3408	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R3409	1-216-615-11	s	METAL 33 0.50% 1/10W
R3410	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R3411	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R3412	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3414	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R3420	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R3421	1-216-654-11	s	METAL, CHIP 1.3K 0.5% 1/10W
R3422	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3423	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3424	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3425	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R3426	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R3427	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3428	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R3429	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3430	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3431	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3432	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3433	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R3434	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3435	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R3436	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3437	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R3438	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R3439	1-216-013-00	s	METAL, CHIP 33 5% 1/10W
R3440	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3441	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W
R3442	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3443	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R3444	1-216-645-11	s	METAL 560 0.50% 1/10W
R3445	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W
R3446	1-216-669-11	s	METAL, CHIP 5.6K 0.5% 1/10W
R3447	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3448	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3449	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3450	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3451	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3452	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3454	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3455	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3456	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3457	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3458	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R3459	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3460	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3461	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R3462	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3463	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3465	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3466	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3467	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3467	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3468	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R3469	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R3470	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3471	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3472	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3473	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3474	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R3475	1-216-061-00	s	METAL, CHIP 3.3K 5% 1/10W
R3476	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R3479	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R3480	1-216-660-11	s	METAL 2.4K 0.50% 1/10W
R3481	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R3482	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R3483	1-216-686-11	s	METAL, CHIP 30K 0.5% 1/10W
R3484	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3486	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3487	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3488	1-216-688-11	s	METAL, CHIP 36K 0.50% 1/10W
R3489	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3490	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3491	1-216-061-00	s	METAL, CHIP 3.3K 5% 1/10W
R3492	1-218-764-11	s	METAL, CHIP 330K 0.50% 1/10W
R3541	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R3543	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3544	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3545	1-216-041-00	s	METAL, CHIP 470 5% 1/10W
R3546	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3547	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3548	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R3549	1-216-077-00	s	METAL, CHIP 15K 5% 1/10W
R3550	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R3551	1-216-099-00	s	METAL, CHIP 120K 5% 1/10W
R3552	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R3553	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R3554	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R3555	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3558	1-216-085-00	s	METAL, CHIP 33K 5% 1/10W
R3559	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3560	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3561	1-216-654-11	s	METAL, CHIP 1.3K 0.5% 1/10W
R3562	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R3563	1-216-654-11	s	METAL, CHIP 1.3K 0.5% 1/10W
R3567	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R3568	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3570	1-216-055-00	s	METAL, CHIP 1.8K 5% 1/10W
R3571	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3572	1-216-055-00	s	METAL, CHIP 1.8K 5% 1/10W
R3573	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R3574	1-216-295-00	s	METAL, CHIP 0 1/10W
R3577	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R3578	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R3579	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3580	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R3581	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R3582	1-216-658-11	s	METAL, CHIP 2K 0.5% 1/10W
R3583	1-216-644-11	s	METAL, CHIP 510 0.5% 1/10W
R3584	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3585	1-216-654-11	s	METAL, CHIP 1.3K 0.5% 1/10W
R3586	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3587	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3588	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3589	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R3590	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R3592	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3593	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3594	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R3596	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R3597	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3598	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R3599	1-216-615-11	s	METAL 33 0.50% 1/10W
R3600	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R3601	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R3602	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3604	1-216-069-00	s	METAL, CHIP 6.8K 5% 1/10W
R3610	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R3611	1-216-654-11	s	METAL, CHIP 1.3K 0.5% 1/10W
R3612	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3613	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3614	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3615	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R3616	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R3617	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3618	1-216-057-00	s	METAL, CHIP 2.2K 5% 1/10W
R3619	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3620	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3621	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3622	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3623	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R3624	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3625	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R3626	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3627	1-216-065-00	s	METAL, CHIP 4.7K 5% 1/10W
R3628	1-216-013-00	s	METAL, CHIP 33 5% 1/10W
R3629	1-216-025-91	s	METAL, CHIP 100 5% 1/10W
R3630	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3631	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W
R3632	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3633	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R3634	1-216-645-11	s	METAL 560 0.50% 1/10W
R3635	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W
R3636	1-216-669-11	s	METAL, CHIP 5.6K 0.5% 1/10W
R3637	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3638	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3639	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3640	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3641	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3642	1-216-675-11	s	METAL, CHIP 10K 0.5% 1/10W
R3644	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3645	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3646	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3648	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R3649	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3650	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3651	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R3652	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3653	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3655	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3656	1-216-067-00	s	METAL, CHIP 5.6K 5% 1/10W
R3657	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3658	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R3659	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R3660	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3661	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3662	1-216-027-00	s	METAL, CHIP 120 5% 1/10W
R3663	1-216-027-00	s	METAL, CHIP 120 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP Description
R3664	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R3665	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R3666	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R3669	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R3670	1-216-660-11	s METAL 2.4K 0.50% 1/10W
R3671	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R3672	1-216-639-11	s METAL, CHIP 330 0.5% 1/10W
R3673	1-216-686-11	s METAL, CHIP 30K 0.5% 1/10W
R3674	1-216-027-00	s METAL, CHIP 120 5% 1/10W
R3676	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R3677	1-216-675-11	s METAL, CHIP 10K 0.5% 1/10W
R3678	1-216-688-11	s METAL, CHIP 36K 0.50% 1/10W
R3679	1-216-067-00	s METAL, CHIP 5.6K 5% 1/10W
R3680	1-216-027-00	s METAL, CHIP 120 5% 1/10W
R3681	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R3682	1-218-764-11	s METAL, CHIP 330K 0.50% 1/10W
R3687	1-216-123-11	s METAL 1.2M 5% 1/10W
R3688	1-216-123-11	s METAL 1.2M 5% 1/10W
R3695	1-216-027-00	s METAL, CHIP 120 5% 1/10W
R5391	1-216-027-00	s METAL, CHIP 120 5% 1/10W
RB2031	1-239-310-11	s RESISTOR ARRAY, CHIP 220K
RB2131	1-239-310-11	s RESISTOR ARRAY, CHIP 220K
RB2231	1-239-310-11	s RESISTOR ARRAY, CHIP 220K
RB2361	1-239-621-11	s NETWORK RESISTOR (CHIP) 22
RB2362	1-239-621-11	s NETWORK RESISTOR (CHIP) 22
RB2363	1-239-621-11	s NETWORK RESISTOR (CHIP) 22
RB2364	1-239-621-11	s NETWORK RESISTOR (CHIP) 22
RB2365	1-239-621-11	s NETWORK RESISTOR (CHIP) 22
RB2366	1-239-621-11	s NETWORK RESISTOR (CHIP) 22
RB2367	1-239-621-11	s NETWORK RESISTOR (CHIP) 22
RB2368	1-239-621-11	s NETWORK RESISTOR (CHIP) 22
RB2369	1-239-621-11	s NETWORK RESISTOR (CHIP) 22
RB2370	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB2371	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB2372	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB2373	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB2374	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB2375	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB2441	1-239-421-11	s NETWORK RESISTOR (CHIP) 680
RB2442	1-239-421-11	s NETWORK RESISTOR (CHIP) 680
RB2443	1-239-421-11	s NETWORK RESISTOR (CHIP) 680
RB2444	1-239-421-11	s NETWORK RESISTOR (CHIP) 680
RB2445	1-239-421-11	s NETWORK RESISTOR (CHIP) 680
RB2446	1-239-421-11	s NETWORK RESISTOR (CHIP) 680
RB2447	1-239-310-11	s RESISTOR ARRAY, CHIP 220K
RS361	1-216-295-00	s METAL, CHIP 0 1/10W
RS531	1-216-295-00	s METAL, CHIP 0 1/10W
RS1604	1-216-295-00	s METAL, CHIP 0 1/10W
RS1991	1-216-295-00	s METAL, CHIP 0 1/10W
RS1992	1-216-295-00	s METAL, CHIP 0 1/10W
RS1993	1-216-295-00	s METAL, CHIP 0 1/10W
RS1994	1-216-295-00	s METAL, CHIP 0 1/10W
RS1999	1-216-295-00	s METAL, CHIP 0 1/10W
RS2362	1-216-295-00	s METAL, CHIP 0 1/10W
RS2363	1-216-295-00	s METAL, CHIP 0 1/10W
RS2367	1-216-295-00	s METAL, CHIP 0 1/10W
RS2390	1-216-295-00	s METAL, CHIP 0 1/10W
RS2397	1-216-295-00	s METAL, CHIP 0 1/10W
RS2399	1-216-295-00	s METAL, CHIP 0 1/10W

(AD-117 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RS2441	1-216-295-00	s METAL, CHIP 0 1/10W
RS2542	1-216-295-00	s METAL, CHIP 0 1/10W
RS2691	1-216-295-00	s METAL, CHIP 0 1/10W
RS2693	1-216-295-00	s METAL, CHIP 0 1/10W
RS2695	1-216-295-00	s METAL, CHIP 0 1/10W
RS2696	1-216-295-00	s METAL, CHIP 0 1/10W
RS2697	1-216-295-00	s METAL, CHIP 0 1/10W
RS2698	1-216-295-00	s METAL, CHIP 0 1/10W
RS2699	1-216-295-00	s METAL, CHIP 0 1/10W
RS2700	1-216-295-00	s METAL, CHIP 0 1/10W
RS2911	1-216-295-00	s METAL, CHIP 0 1/10W
RS3212	1-216-295-00	s METAL, CHIP 0 1/10W
RV2031	1-228-454-00	s RES, ADJ, METAL 200
RV2032	1-228-475-00	s RES, ADJ, METAL 20K
RV2131	1-228-454-00	s RES, ADJ, METAL 200
RV2132	1-228-475-00	s RES, ADJ, METAL 20K
RV2231	1-228-454-00	s RES, ADJ, METAL 200
RV2232	1-228-475-00	s RES, ADJ, METAL 20K
RV2541	1-228-456-00	s RES, ADJ, METAL 1K
RV2771	1-228-459-00	s RES, ADJ, METAL 10K
RV3211	1-228-458-00	s RES, ADJ, METAL 5K
RV3212	1-228-476-00	s RES, ADJ, METAL 50K
RV3213	1-228-462-00	s RES, ADJ, METAL 100K
RV3214	1-228-461-00	s RES, ADJ, METAL 50K
RV3351	1-228-458-00	s RES, ADJ, METAL 5K
RV3352	1-228-476-00	s RES, ADJ, METAL 50K
RV3354	1-228-462-00	s RES, ADJ, METAL 100K
RV3355	1-228-462-00	s RES, ADJ, METAL 100K
RV3541	1-228-458-00	s RES, ADJ, METAL 5K
RV3542	1-228-476-00	s RES, ADJ, METAL 50K
RV3544	1-228-462-00	s RES, ADJ, METAL 100K
RV3545	1-228-462-00	s RES, ADJ, METAL 100K
S1601	1-570-857-11	s SWITCH, SLIDE
S1602	1-570-610-11	s SWITCH, TOGGLE
S1603	1-570-610-11	s SWITCH, TOGGLE
S2441	1-692-271-31	s SWITCH, SLIDE
S2961	1-570-857-11	s SWITCH, SLIDE
S2962	1-692-270-41	s SWITCH, SLIDE
S2963	1-570-857-11	s SWITCH, SLIDE
X2801	1-760-275-11	s VCO, CRYSTAL 27.00MHz

3-3. Supplied Accessories

Ref. No. or Q'ty	Part No.	SP Description
1pc	△ 1-576-228-11	s FUSE (H.B.C.) T2AH 250V
3pcs	1-751-363-11	o CABLE ASSY, COAXIAL
1pc	3-694-169-01	o GUIDE, HARNESS
1pc	3-694-170-01	o NUT, PLATE
1pc	3-703-150-11	o CLAMP
1pc	7-621-770-67	s SCREW +B 2.6X6



Section 4

Semiconductor Pin Assignments

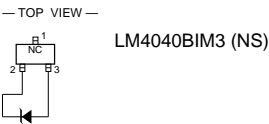
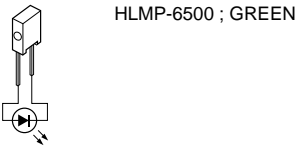
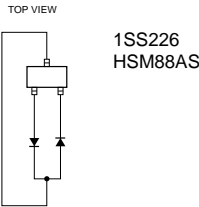
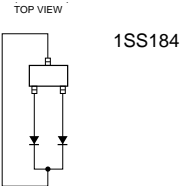
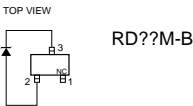
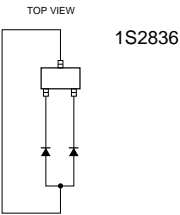
ここに記載されている半導体は、それぞれの機能を等価的に表したものです。なお、互換性のない型名を併記していることがありますので、部品を交換するときは、Spare Partsの章を参照してください。

等価回路はICメーカーのデータブックに従いました。

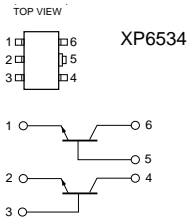
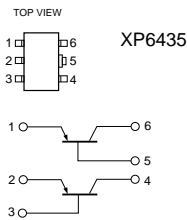
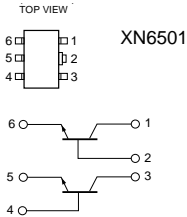
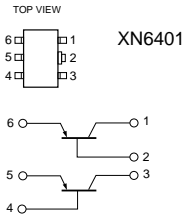
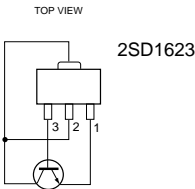
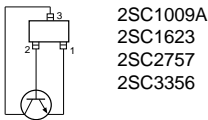
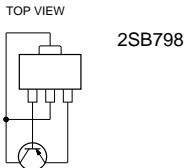
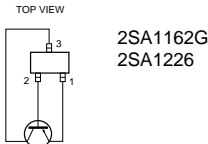
Semiconductors of which functions are equivalent are described here. For parts replacement, refer to the section of Spare Parts in this manual. The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

DIODE	Page	TRANSISTOR	Page	IC	Page	IC	Page
1SS184	4-2	2SA1162G	4-2	74LCX16245MTDX	4-13	TL062CPS	4-12
1SS226	4-2	2SA1226	4-2	AT27HC642-35DC	4-3	TL064CNS	4-12
1S2836	4-2	2SB798	4-2	CLC505AJE	4-3	TL7705CPS-B	4-12
HLMP-6500	4-2	2SC1009A	4-2	CXA1432M	4-3	TLC272CPS	4-12
HSM88AS	4-2	2SC1623	4-2	CXA1487M	4-3	UPC311G2	4-12
LM4040BIM3	4-2	2SC2757	4-2	CXA1577R-7	4-4	UPC319G2	4-12
		2SC3356	4-2	CXB1341R	4-13		
RD??M-B	4-2	2SD1623	4-2	CXD8068G	4-4		
		XN6401	4-2	CXD8072Q	4-6		
		XN6501	4-2	CXK1203AR	4-6		
		XP6435	4-2	LM3940IS	4-13		
		XP6534	4-2	M62352GP	4-7		
				MB88341PFV	4-7		
				MC10H124M	4-7		
				MC14001BF	4-7		
				MC14011BF	4-8		
				MC14015BF	4-8		
				MC14050BF	4-8		
				MC1496M	4-8		
				MC74HC163AF	4-8		
				MC74HC4050F	4-8		
				MC74HC4053F	4-9		
				NJM1496M	4-8		
				NJM78L09UA	4-9		
				SBX1601A	4-9		
				SN74HC00ANS	4-9		
				SN74HC04ANS	4-9		
				SN74HC08ANS	4-9		
				SN74HC126ANS	4-10		
				SN74HC165ANS	4-10		
				SN74HC21ANS	4-10		
				SN74HC32ANS	4-10		
				SN74HC574ANS	4-11		
				SN74HC74ANS	4-10		
				SN74LS123NS	4-10		
				TC4W53FU	4-11		
				TC74HC221AF	4-11		
				TC74HC4051AF	4-11		
				TC7S00F	4-11		
				TC7S04FU	4-11		
				TC7S08FU	4-12		
				TC7S66F	4-12		
				TC7W00FU	4-12		

DIODE



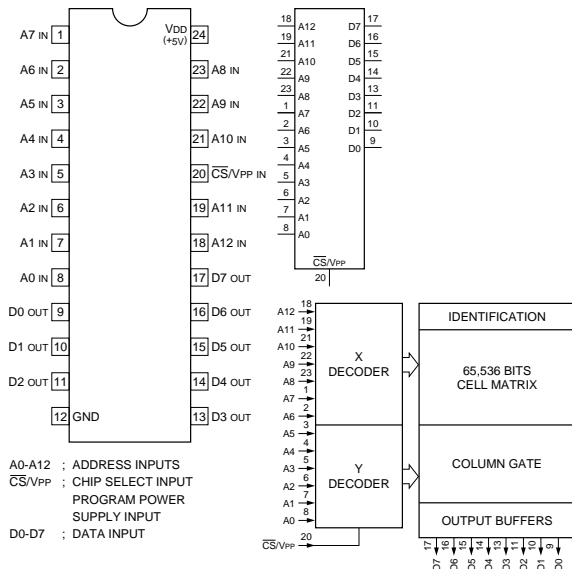
TRANSISTOR



IC

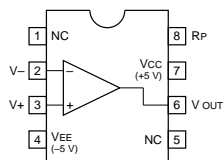
AT27HC642-35DC (ATMEL)

C-MOS 64K(8192×8)-BIT UV EPROM
-TOP VIEW-



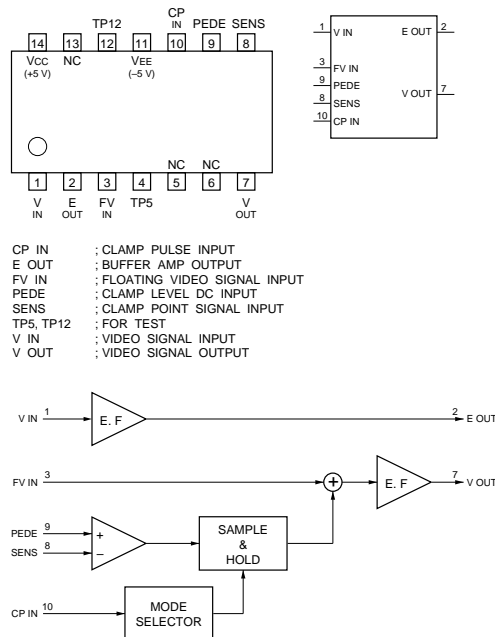
CLC505AJE (COMLINEAR) FLAT PACKAGE

OPERATIONAL AMPLIFIER
- TOP VIEW -



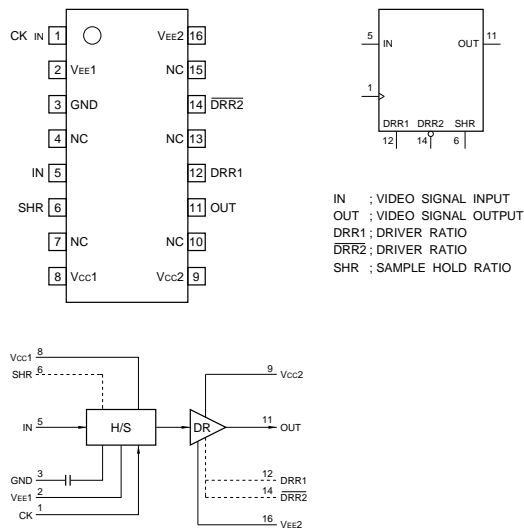
CXA1432M (SONY) FLAT PACKAGE

VIDEO SIGNAL CLAMPER
- TOP VIEW -



CXA1487M (SONY)

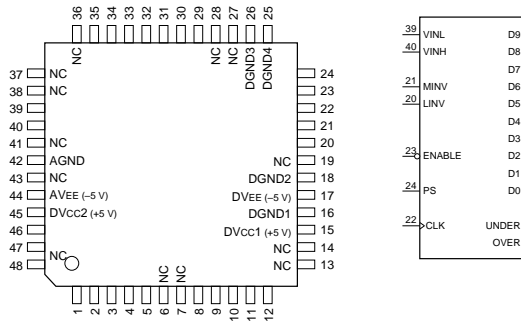
VIDEO SAMPLE HOLD
- TOP VIEW -



CXA1577R-7 (SONY)

TTL 10-BIT 20MSPS A/D CONVERTER

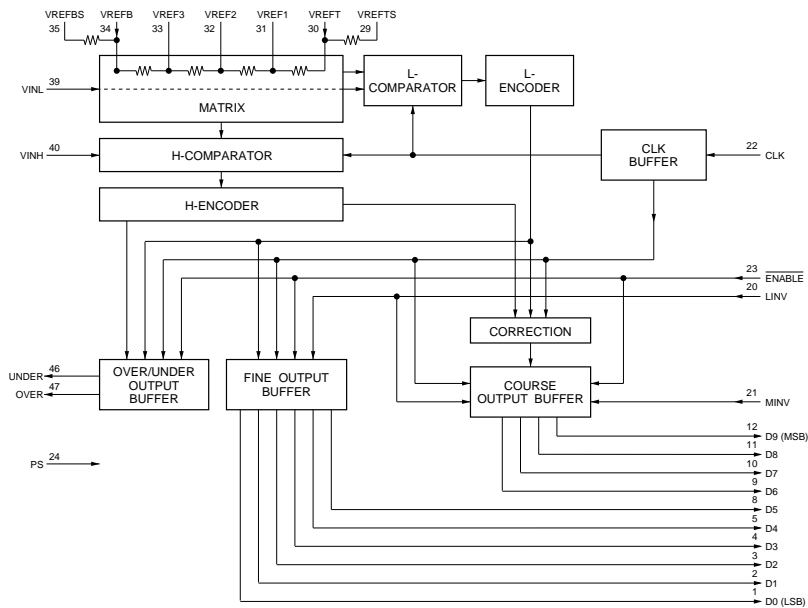
— TOP VIEW —


$$\begin{pmatrix} \text{DVcc1, DVcc2} = +5 \text{ V} \\ \text{AVEE1, DVEE} = -5 \text{ V} \end{pmatrix}$$

Pin No.	I/O	SIGNAL	Pin No.	I/O	SIGNAL	Pin No.	I/O	SIGNAL	Pin No.	I/O	SIGNAL
1	O	D0 (LSB)	13	—	NC	25	—	DGND4	37	—	NC
2	O	D1	14	—	NC	26	—	DGND3	38	—	NC
3	O	D2	15	—	DVcc1	27	—	NC	39	I	VINL
4	O	D3	16	—	DGND1	28	—	NC	40	I	VINH
5	O	D4	17	—	DVEE	29	—	VREFTS	41	—	NC
6	—	NC	18	—	DGND2	30	I	VREFT	42	—	AGND
7	—	NC	19	—	NC	31	—	VREF1	43	—	NC
8	O	D5	20	I	LINV	32	—	VREF2	44	—	AVEE
9	O	D6	21	I	MINV	33	—	VREF3	45	—	DVcc2
10	O	D7	22	I	CLK	34	I	VREFB	46	O	UNDER
11	O	D8	23	I	ENABLE	35	—	VREFBS	47	O	OVER
12	O	D9 (MSB)	24	I	PS	36	—	NC	48	—	NC

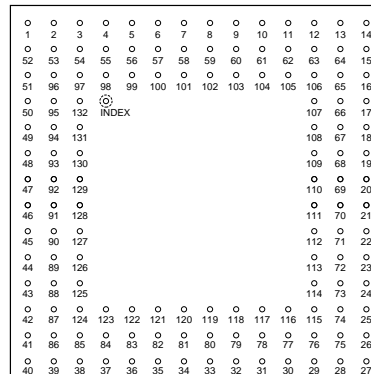
INPUT	
CLK	: SYSTEM CLOCK
ENABLE	: 3 STAGE CONTROL (L: ENABLE)
LINV	: D0 (LSB)-D8 INVERSE
MINV	: D9 (MSB) INVERSE
PS	: POWER SAVE (H: POWER SAVE MODE)
VINL, VINH	: ANALOG

OUTPUT
D0 (LSB)-D9 (MSB) ; DIGITAL
UNDER ; UNDER FLOW
OVER ; OVER FLOW



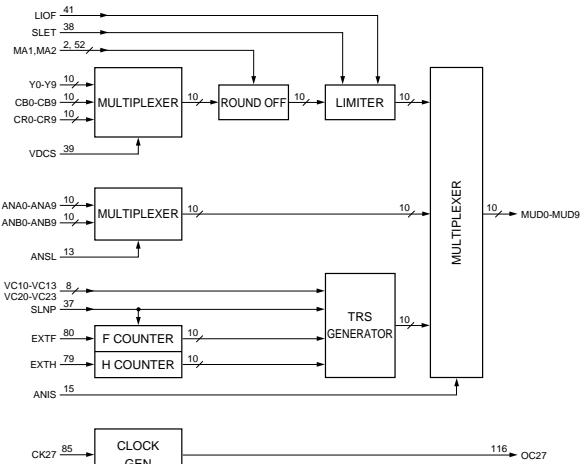
CXD8068G

C-MOS 4 : 2 : 2 COMPONENT DIGITAL VIDEO
PARALLEL INTERFACE ENCODER
-BOTTOM VIEW-



VDD = +5V

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	–	NC	34	I	TUC1	67	I	ANB4	100	O	ANEH
2	I	MA1	35	I	TUC2	68	I	ANB2	101	–	GND
3	I	CR8	36	I	INCH	69	I	ANB0	102	–	GND
4	I	CR6	37	I	SLNP	70	I	VC20	103	O	MUD0
5	I	CR4	38	I	SLET	71	I	VC22	104	O	MUD1
6	I	CR2	39	I	VDCS	72	O	MUD7	105	–	GND
7	I	CR0	40	I	COEN	73	O	MUD8	106	–	GND
8	I	ANA8	41	I	LIOF	74	O	MUD9	107	O	MUD2
9	I	ANA6	42	I	Y8	75	–	GND	108	O	MUD3
10	I	ANA4	43	I	Y6	76	I	TSLF	109	O	MUD4
11	I	ANA2	44	I	Y4	77	I	TSST	110	–	GND
12	I	ANA0	45	I	Y2	78	I	TSRT	111	–	GND
13	I	ANSL	46	I	Y0	79	I	EXTH	112	O	MUD5
14	–	NC	47	I	CB8	80	I	EXTF	113	O	MUD6
15	I	ANIS	48	I	CB6	81	I	INEH	114	–	VDD
16	I	ANB9	49	I	CB4	82	I/O	CM7	115	–	GND
17	I	ANB7	50	I	CB2	83	I/O	CM5	116	O	OC27
18	I	ANB5	51	I	CB0	84	I/O	CM3	117	I/O	CM9
19	I	ANB3	52	I	MA2	85	I	CK27	118	I/O	CM8
20	I	ANB1	53	–	GND	86	–	VDD	119	–	GND
21	I	VC21	54	I	CR9	87	I	Y9	120	–	GND
22	I	VC23	55	I	CR7	88	I	Y7	121	I/O	CM6
23	I	VC10	56	I	CR5	89	I	Y5	122	I/O	CM4
24	I	VC11	57	I	CR3	90	I	Y3	123	–	GND
25	I	VC12	58	I	CR1	91	I	Y1	124	–	GND
26	I	VC13	59	I	ANA9	92	I	CB9	125	I/O	CM2
27	–	NC	60	I	ANA7	93	I	CB7	126	I/O	CM1
28	I	LDAT	61	I	ANA5	94	I	CB5	127	I/O	CM0
29	I	TSCK	62	I	ANA3	95	I	CB3	128	–	GND
30	I	TSLD	63	I	ANA1	96	I	CB1	129	–	GND
31	I	TUB1	64	–	VDD	97	–	GND	130	O	MFP
32	I	TUB2	65	I	ANB8	98	O	OC6	131	O	OC13
33	I	TUS	66	I	ANB6	99	O	ANEV	132	–	VDD



46	Y0	VC10	VC11	VC12	VC13	VC20	VC21	VC22	VC23	2	MA1	MA2	INCH	COEN	INEN	SLNP	SLET	VDCS	LIOF
91	Y1																		
45	Y2																		
90	Y3																		MUD0
44	Y4																		MUD1
89	Y5																		MUD2
43	Y6																		MUD3
88	Y7																		MUD4
42	Y8																		MUD5
87	Y9																		MUD6
51	CB0																		MUD7
96	CB1																		MUD8
50	CB2																		MUD9
95	CB3																		
49	CB4																		OC27
94	CB5																		OC13
48	CB6																		OC6
93	CB7																		
47	CB8																		MFP
92	CB9																		
7	CR0																		ANEV
58	CR1																		ANEH
6	CR2																		
57	CR3																		CM0
5	CR4																		CM1
56	CR5																		CM2
4	CR6																		CM3
55	CR7																		CM4
3	CR8																		CM5
54	CR9																		CM6
12	ANA0																		CM7
63	ANA1																		CM8
11	ANA2																		CM9
62	ANA3																		
10	ANA4																		
61	ANA5																		
9	ANA6																		
60	ANA7																		
8	ANA8																		
59	ANA9																		
69	ANB0																		
20	ANB1																		
68	ANB2																		
19	ANB3																		
67	ANB4																		
18	ANB5																		
66	ANB6																		
17	ANB7																		
65	ANB8																		
16	ANB9																		

INPUT

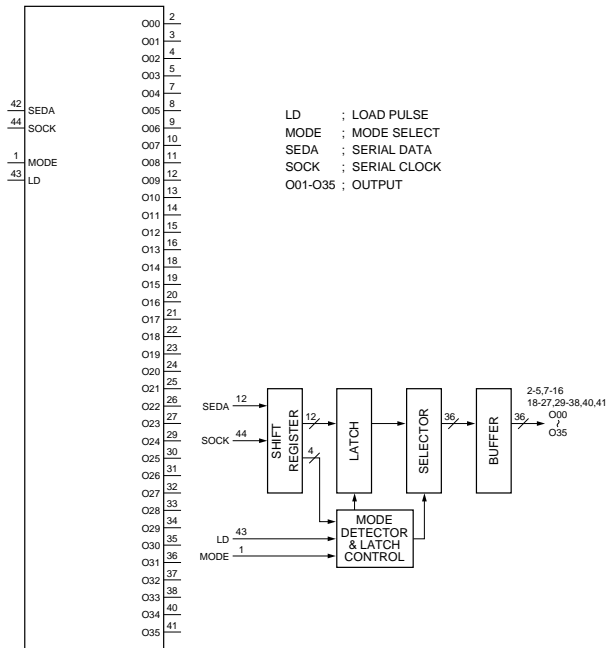
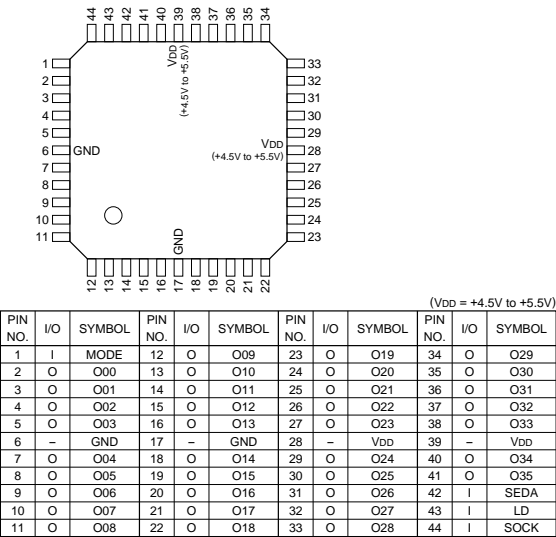
ANA0-ANA9	: ANCILLARY SIGNAL (13.5MHz 20 BITS OR 27MHz 10 BITS)
ANB0-ANB9	: ANCILLARY SIGNAL (13.5MHz 20 BITS)
ANIS	: ANC SIGNAL INSERT SELECTOR
ANSL	: ANC 10 BITS/20 BITS SIGNAL SELECTOR
CB0-CB9	: Cb OR Ca • Cr MPX SIGNAL
CK27	: 27MHz CLOCK
COEN	: CONNECT WITH "+5V"
CR0-CR9	: Cr OR Cb • Cr MPX SIGNAL (INPUT CHECK)
EXTF	: REFERENCE F
EXTH	: REFERENCE H
INEH	: CONNECT WITH "+5V"
INCH	: CONNECT WITH "+5V"
TUB1, YUB2	: CONNECT WITH "GND"
TUS, TUC1, TUC2	: CONNECT WITH "GND"
LDAT, TSCK, TSLD	: FOR TEST
LIOF	: DATA LIMIT SELECTOR (ON/OFF)
MA1, MA2	: ROUND MODE SELECTOR (ROUND, RAISE, CUT OFF, THROUGH)
SLET	: DATA SELECTOR (8 BITS OR 10 BITS)
SLNP	: 525 LINE/625 LINE SELECTOR
TSLF, TSST, TSRT	: FOR TEST
VC10-VC13	: 525/60 (FIELD1) V BLANKING CONTROL
VC20-VC23	: 525/60 (FIELD2) V BLANKING CONTROL
VDCS	: CHROMA SIGNAL SELECTOR (Cb • Cr MPX/Cb, Cr)
Y0-Y9	: Y SIGNAL

OUTPUT

ANEH	: DATA INTERVAL SIGNAL ("HIGH" AT BETWEEN EAV AND SAV)
ANEV	: DATA VALID SIGNAL ("HIGH" AT THE DATA VALID PERIOD IN V BLK INTERVAL)
CM0-CM9	: F, H COUNTER
MFP	: POSITION OF F COUNTER VALUE (MULTIPLEX SIGNAL)
MUD0-MUD9	: MULTIPLEX DATA
OC6	: 6.75MHz CLOCK
OC13	: 13.5MHz CLOCK
OC27	: 27MHz CLOCK

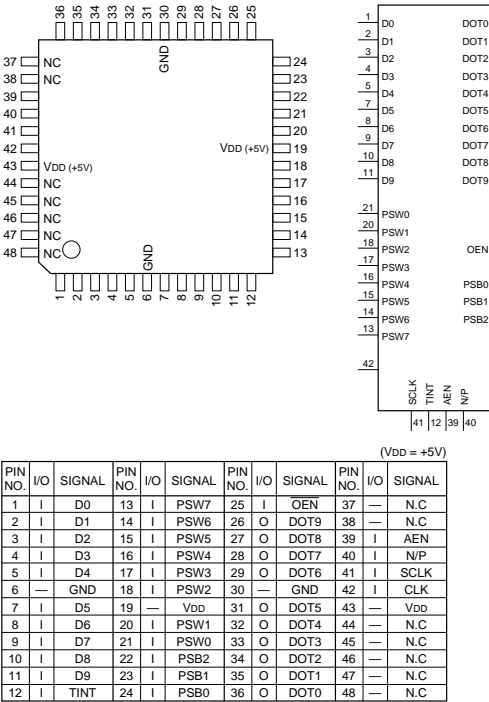
CXD8072Q (SONY)FLAT PACKAGE

C-MOS SERIAL TO PARALLEL CONVERTER
-TOP VIEW-

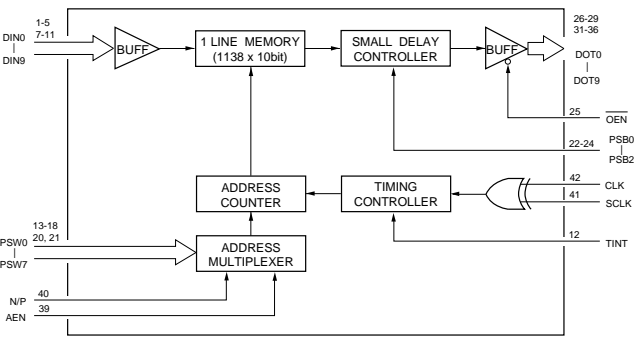


CXK1203AR (SONY)FLAT PACKAGE

C-MOS DIGITAL LINE MEMORY
-TOP VIEW-

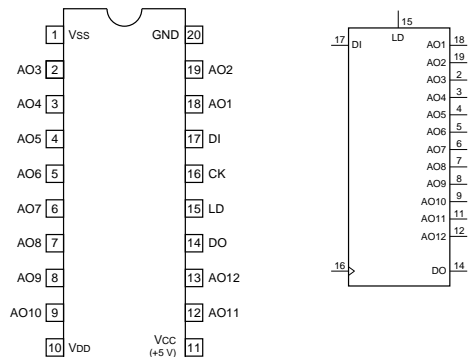


AEN : LINE MEMORY SELECT
CLK : CLOCK
DIN0-DIN9 : VIDEO DATA INPUT
DOT0-DOT9 : VIDEO DATA OUTPUT
N/P : NTSC/PAL/SECAM SELECT
OEN : OUTPUT ENABLE
PSB0-PSB2 : DELAY STEP SELECT (1 BITxN)
PSW0-PSW7 : DELAY STEP SELECT (8 BITxN)
SCLK : CLOCK EDGE SELECT
TINT : TEST



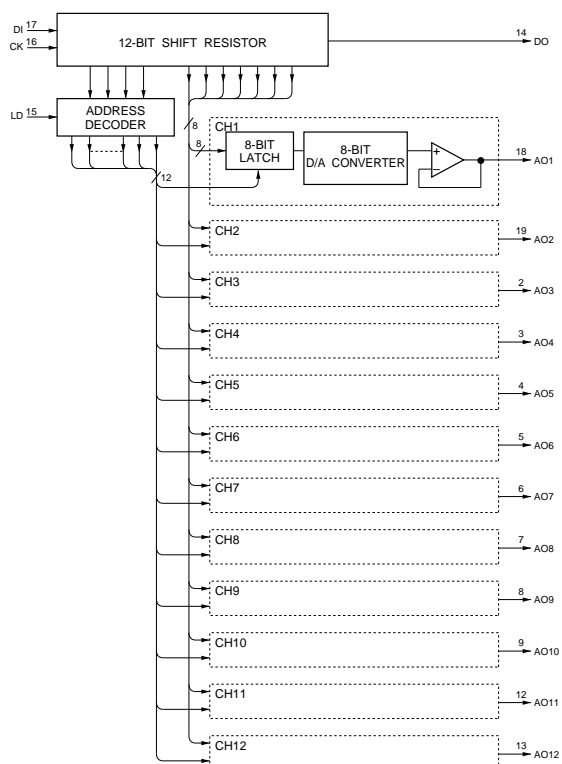
M62352GP (MITSUBISHI) FLAT PACKAGE

C-MOS 8-BITx12 CHANNEL D/A CONVERTER
(WITH BUFFER OPERATIONAL AMPLIFIER)
— TOP VIEW —



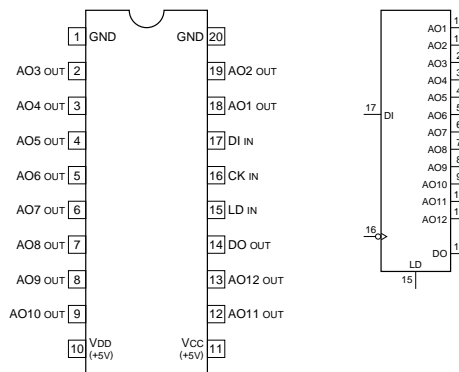
AO1-AO12 : 8-BIT D/A OUTPUTS
CK : CLOCK INPUT
DI : SERIAL DATA INPUT
DO : DATA OUTPUT

NOTE:
3.5 V < VDD < VCC
-3.5 V < VSS < VCC

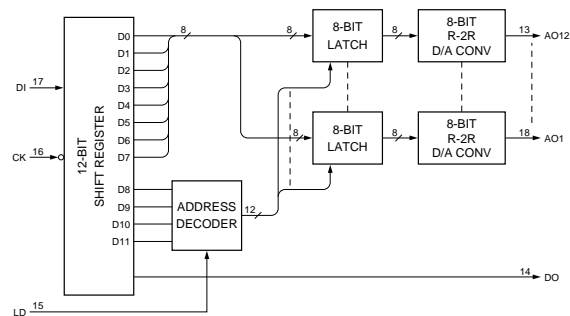


MB88341PFV

C-MOS 8-BIT D/A CONVERTER
-TOP VIEW-

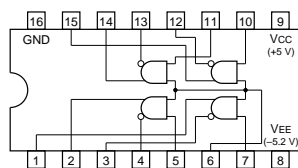


AO1-AO12 : 8-BIT D/A OUTPUTS
CK : CLOCK INPUT
DI : SERIAL DATA INPUT
DO : DATA OUTPUT
LD : DATA LOAD CONTROL INPUT (H ; LOAD)



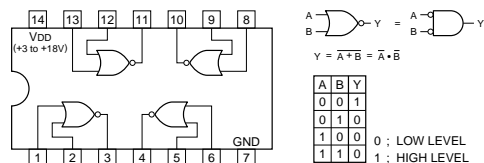
MC10H124M (MOTOROLA) FLAT PACKAGE

ECL TTL-TO-ECL TRANSLATOR
—TOP VIEW—



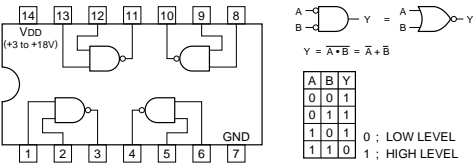
MC14001BF (MOTOROLA) FLAT PACKAGE

C-MOS 2-INPUT NOR GATE
-TOP VIEW-



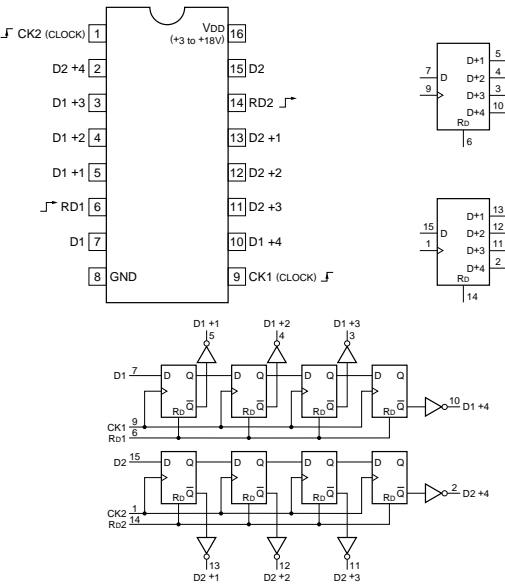
MC14011BF (MOTOROLA)FLAT PACKAGE

C-MOS 2-INPUT NAND GATE
-TOP VIEW-



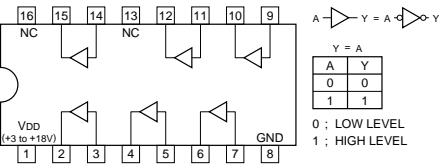
MC14015BF (MOTOROLA)FLAT PACKAGE

C-MOS DUAL 4-STAGE STATIC SHIFT REGISTER WITH DIRECT RESET
-TOP VIEW-



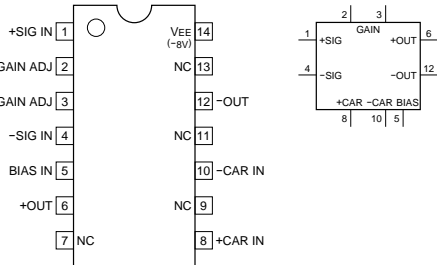
MC14050BF (MOTOROLA)FLAT PACKAGE

C-MOS NON-INVERTING TYPE BUFFER/CONVERTER
-TOP VIEW-



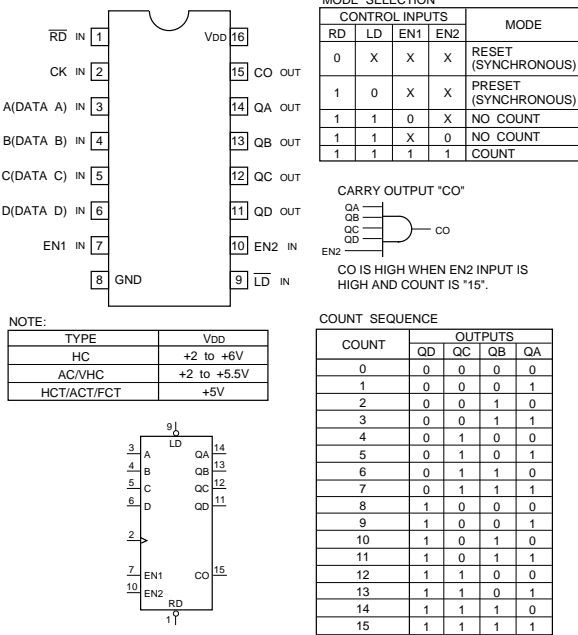
MC1496M (MOTOROLA)FLAT PACKAGE
NJM1496M (JRC)FLAT PACKAGE

BALANCED MODULATOR/DEMODULATOR
-TOP VIEW-



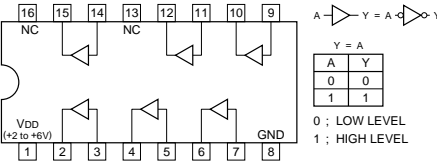
MC74HC163AF (MOTOROLA)FLAT PACKAGE

C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER
-TOP VIEW-

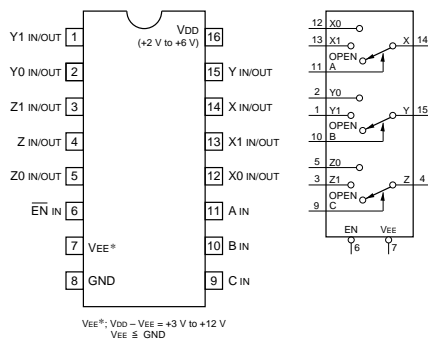


MC74HC4050F (MOTOROLA)FLAT PACKAGE

C-MOS NON-INVERTING TYPE BUFFER/CONVERTER
-TOP VIEW-



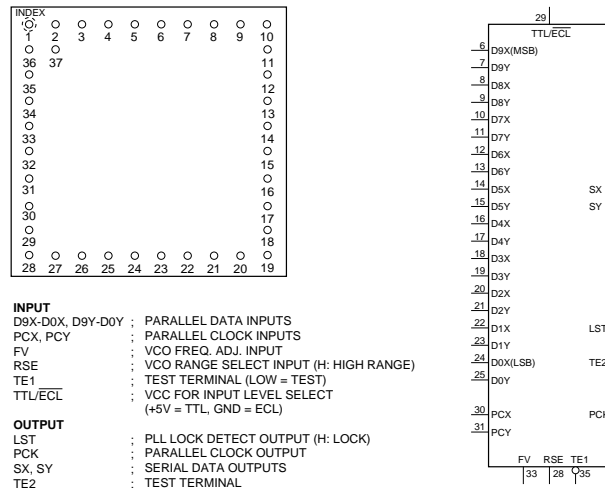
MC74HC4053F (MOTOROLA) FLAT PACKAGE

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER
— TOP VIEW —

CONTROL INPUTS	SELECT			ON CHANNEL		
	EN	C	B	A	Z0	Y0
	0	0	0	0	Z0	Y0
	0	0	0	1	Z0	Y0
	0	0	1	0	Z0	Y1
	0	0	1	1	Z0	Y1
	0	1	0	0	Z1	Y0
	0	1	0	1	Z1	Y0
	0	1	1	0	Z1	Y1
	0	1	1	1	Z1	Y1
	1	X	X	X	OPEN	

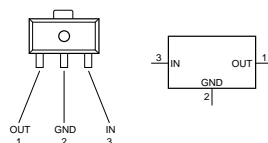
0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

SBX1601A (SONY)

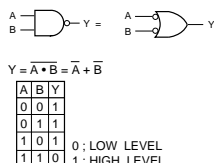
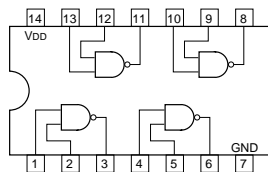
8- OR 10-BIT PARALLEL-TO-SERIAL CONVERTER
— BOTTOM VIEW —

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	O	LST	11	I	D7Y	21	I	D2Y	31	I	PCY
2	—	GND	12	I	D6X	22	I	D1X	32	—	GND
3	O	SX	13	I	D6Y	23	I	D1Y	33	I	FV
4	O	SY	14	I	D5X	24	I	D0X(LSB)	34	O	TE2
5	—	GND	15	I	D5Y	25	I	D0Y	35	I	TE1
6	I	D9X(MSB)	16	I	D4X	26	—	VEE1	36	O	PCX
7	I	D9Y	17	I	D4Y	27	—	VEE2	37	—	NC
8	I	D8X	18	I	D3X	28	I	RSE			
9	I	D8Y	19	I	D3Y	29	—	TTL/ECL			
10	I	D7X	20	I	D2X	30	I	PCX			

NJM78L09UA (JRC)+9 V(100 mA)

POSITIVE VOLTAGE REGULATOR
—SIDE VIEW—

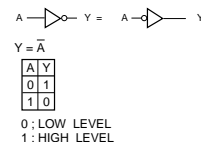
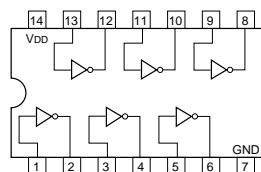
SN74HC00ANS (TI) FLAT PACKAGE

C-MOS QUAD 2-INPUT NAND GATES
—TOP VIEW—

NOTE:

TYPE	VDD
TC74AC00 TYPE	+2 to +5.5V
MC74HCT00N	+5V
74ACT00 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

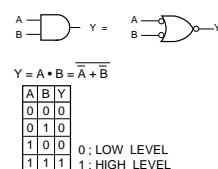
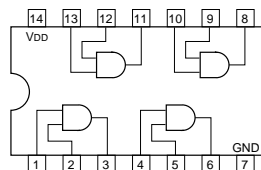
SN74HC04ANS (TI) FLAT PACKAGE

C-MOS HEX INVERTERS
—TOP VIEW—

NOTE:

TYPE	VDD
74HCT04 TYPE	+5V
TC74AC04 TYPE	+2 to +5.5V
TC74VHC04 TYPE	+4.5 to +5.5V
74ACT04 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

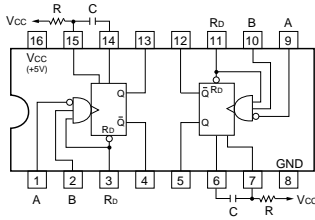
SN74HC08ANS (TI) FLAT PACKAGE

C-MOS QUAD 2-INPUT AND GATES
—TOP VIEW—

NOTE:

TYPE	VDD
TC74AC08 TYPE	+2 to +5.5V
MC74ACT08M	+2 to +8V
TC40H	+2 to +8V
OTHER TYPES	+2 to +6V

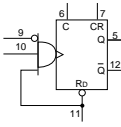
SN74LS123NS (TI) FLAT PACKAGE

TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATORS WITH DIRECT RESET
—TOP VIEW—

INPUTS		OUTPUTS	
R _b	A	Q	\bar{Q}
0	x	0	1
x	1	x	0
x	x	0	1
1	0	1	0
1	1	1	0
1	0	1	0
1	1	1	0

0: LOW LEVEL
1: HIGH LEVEL
x: DON'T CARE

OUTPUT PULSE WIDTH



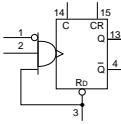
$${}^{123} ; T_w = 0.28 \left(1 + \frac{700}{R}\right) CR$$

$${}^{L123}; T_w = 0.33 \left(1 + \frac{700}{R}\right) CR$$

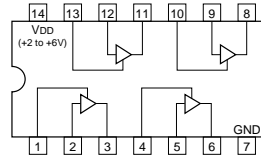
$${}^{123} ; T_w = 0.25 \left(1 + \frac{700}{R}\right) CR$$

$${}^{L123}; T_w = 0.29 \left(1 + \frac{700}{R}\right) CR$$

$${}^{LS123}; T_w = 0.45CR$$



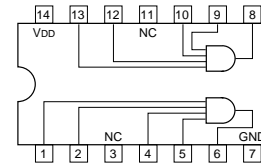
SN74HC126ANS (TI) FLAT PACKAGE

C-MOS BUS BUFFER GATE WITH 3-STATE OUTPUT
—TOP VIEW—

G	A	Y
1	1	1
1	0	0
0	X	Hi-Z

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE
Hi-Z: HIGH IMPEDANCE

SN74HC21ANS (TI) FLAT PACKAGE

C-MOS DUAL 4-INPUT POSITIVE AND GATE
—TOP VIEW—

$$Y = A \cdot B \cdot C \cdot D = \overline{A + B + C + D}$$

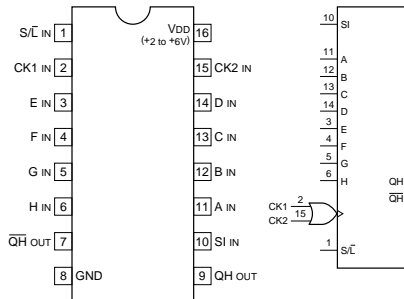
A	B	C	D	Y
0	0	0	0	0
0	0	0	1	0
0	0	1	0	0
0	0	1	1	0
0	1	0	0	0
0	1	0	1	0
0	1	1	0	0
0	1	1	1	0
1	0	0	0	0
1	0	0	1	0
1	0	1	0	0
1	0	1	1	0
1	1	0	0	0
1	1	0	1	0
1	1	1	0	0
1	1	1	1	1

0: LOW LEVEL
1: HIGH LEVEL

NOTE:

TYPE	V _{DD}
HC	+2V to +6V
VHC	+2V to +5.5V

SN74HC165ANS (TI) FLAT PACKAGE

C-MOS SERIAL-OR PARALLEL-INPUT SHIFT REGISTER
—TOP VIEW—

SI: SERIAL DATA IN
A-H: PARALLEL DATA IN
CK1, CK2: CLOCK IN (┐) S/L: SHIFT/LOAD IN
QH QH: 8th BIT OUT (COMPLEMENTALY)

INPUTS		CONTENTS		OUTPUT		OPERATION
S/L	CK1+CK2	SI	A-----H	QA	QB-----QH	
0	X	X	a-----h	a	b-----h	PARALLEL LOAD
1	┐	0	X	0	QAo---QGo	RIGHT SHIFT
1	┐	1	X	1	QAo---QGo	RIGHT SHIFT
1	┐	X	X	QAo	QB---QH	NO COUNT
1	0	X	X	QAo	QB---QH	
1	1	X	X	QAo	QB---QH	

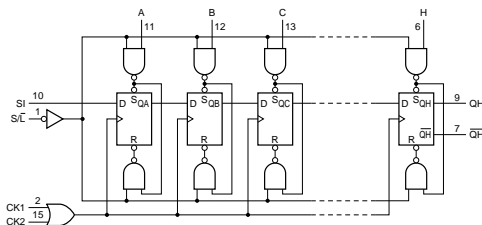
0: LOW LEVEL

1: HIGH LEVEL

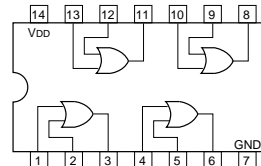
X: DON'T CARE

a-h: LEVEL OF INPUTS A-H

QAo-QHo: LEVEL OF QA-QH BEFORE THE INDICATED INPUT CONDITIONS WERE ESTABLISHED



SN74HC32ANS (TI) FLAT PACKAGE

C-MOS QUAD 2-INPUT OR GATES
—TOP VIEW—

$$Y = A + B = \overline{A \cdot B}$$

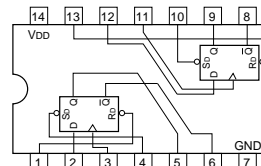
A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

0: LOW LEVEL
1: HIGH LEVEL

NOTE:

TYPE	V _{DD}
AC/VHC	+2 to +5.5V
HC	+2 to +6V

SN74HC74ANS (TI) FLAT PACKAGE

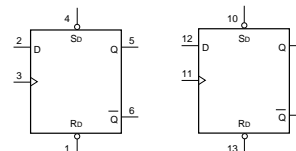
C-MOS DUAL D-TYPE FLIP-FLOPS WITH DIRECT SET/RESET
—TOP VIEW—

INPUTS				OUTPUTS	
Sd	Rd	Ck	D	Qn+1	Qn+1
0	1	X	X	1	0
1	0	X	X	0	1
0	0	X	X	1	1
1	1	┐	1	1	0
1	1	┐	0	0	1
1	1	0	X	Qn	Qn

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

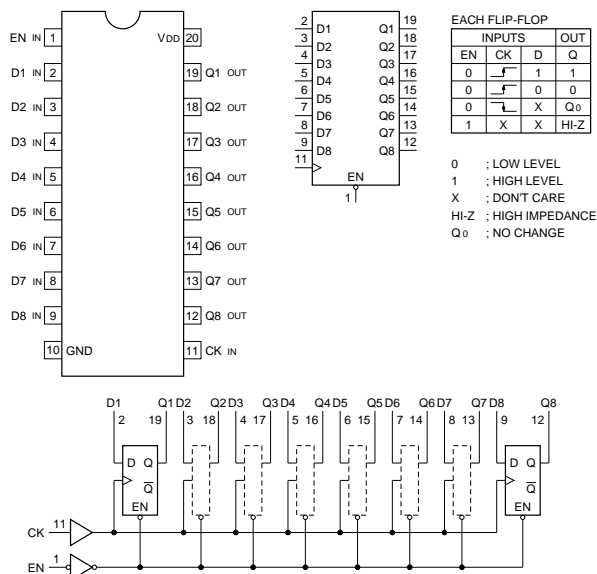
NOTE:

TYPE	V _{DD}
HCT/ACT	+5V
TC74AC/VHC	+2 to +5.5V
OTHERS	+2 to +6V



SN74HC574ANS (TI)FLAT PACKAGE

C-MOS 3-STATE D-TYPE EDGE-TRIGGERED FLIP-FLOP
— TOP VIEW —

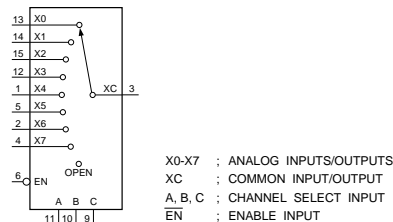
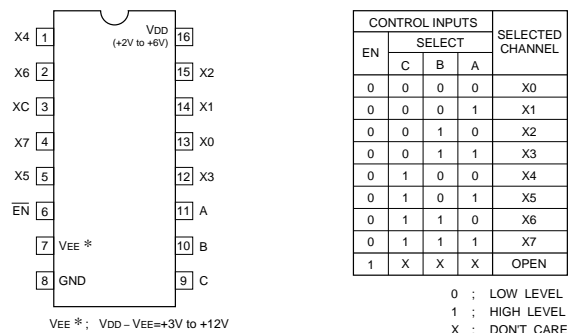


NOTE:

TYPE	V _{DD}
HC	+2 to +6V
AC/VHC	+2 to +5.5V
ACT/FCT/HCT	+5V

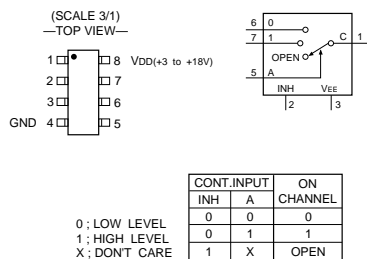
TC74HC4051AF (MOTOROLA)FLAT PACKAGE

C-MOS 8-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER
—TOP VIEW—



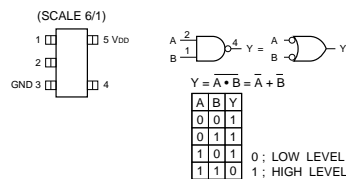
TC4W53FU (TOSHIBA)CHIP PACKAGE

C-MOS 2-CHANNEL MULTIPLEXER / DEMULTIPLEXER



TC7S00F (TOSHIBA)CHIP PACKAGE

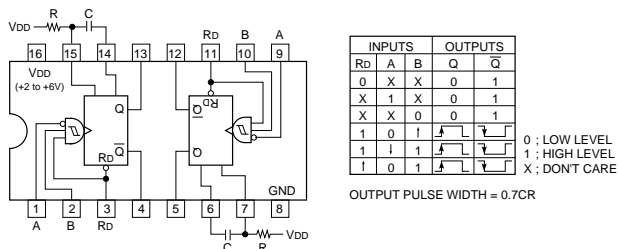
C-MOS 2-INPUT NAND GATE
— TOP VIEW —



TYPE	V _{DD}
7S00F	+2 to +6 V
7S00FU	+3 to +18 V
4S11F	+2 to +5.5 V
7SH00FU	

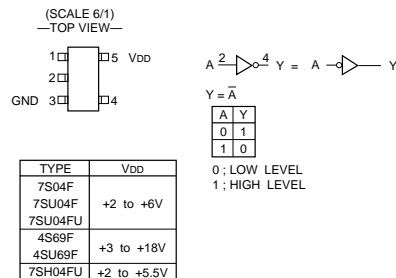
TC74HC221AF (TOSHIBA)FLAT PACKAGE

C-MOS MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT
—TOP VIEW—



TC7S04FU (TOSHIBA)CHIP PACKAGE

C-MOS INVERTER



TC7S08FU (TOSHIBA)CHIP PACKAGE

C-MOS 2-INPUT AND GATE

—TOP VIEW—

1 5 VDD
2 4
GND 3

$A \cdot B = Y$
 $A \oplus B = Y$

$Y = A \cdot B = \overline{A + B}$

A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0 ; LOW LEVEL
1 ; HIGH LEVEL

TYPE	VDD
7S08F	+2 to +6V
7S08FU	+2 to +6V
4S81F	+3 to +18V
14S81F	+3 to +18V
7SH08FU	-2 to +5.5V

TC7S66F (TOSHIBA)

C-MOS ANALOG SWITCH

—TOP VIEW—

IN/OUT 1 5 (+12V MAX) VDD
OUT/IN 2 4
GND 3 CONT

TC7W00FU (TOSHIBA)CHIP PACKAGE

C-MOS 2-INPUT NAND GATE

—TOP VIEW—

1A 1 8 VDD
1B 2 7 1Y
2Y 3 6 2B
4 GND 5 2A

$A \cdot B = Y$
 $A \oplus B = Y$

$Y = A \cdot B = \overline{A + B}$

A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

TL062CPS (TI)FLAT PACKAGE

OPERATIONAL AMPLIFIER

(J FET INPUT)

—TOP VIEW—

1 8 VDD (+1.5 to +18V)
2 7
3 6
4 VEE (-18 to -1.5V) 5

UPC311G2 (NEC)FLAT PACKAGE

VOLTAGE COMPARATOR

-TOP VIEW-

1 GND 8 VCC (+5 to +36V)
2 7
3 6
4 VEE 5

TL064CNS (TI)FLAT PACKAGE

OPERATIONAL AMPLIFIER

(J FET INPUT)

—TOP VIEW—

1 14
2 13
3 12
4 VCC (+18V) 11 VEE (-18V)
5 10
6 9
7 8

TL7705CPS-B (TI)FLAT PACKAGE

POWER VOLTAGE SUPERVISOR

—TOP VIEW—

VREF OUT 1 VCC (+3 to +18V) 8
RESIN IN 2 7 SENSE IN
CT IN 3 6 OUT(1)
4 GND 5 OUT(2)

7 SENSE VREF 1
2 RESIN OUT(1) 6
3 CT OUT(2) 5

REF +2.5V
VCC
3
*OPEN COLLECTOR

TLC272CPS (TI)FLAT PACKAGE

OPERATIONAL AMPLIFIER

—TOP VIEW—

1 14 VDD (+3V to +16V)
2 13
3 12
4 GND 11

UPC319G2 (NEC)FLAT PACKAGE

DUAL VOLTAGE COMPARATOR

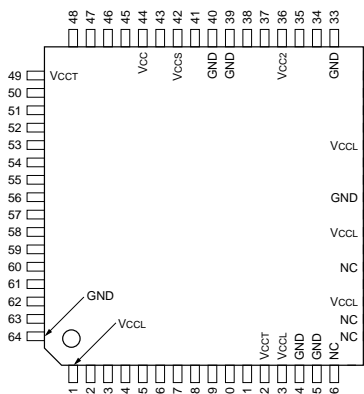
-TOP VIEW-

1 NC 14
2 NC 13
3 GND 12
4 11 VCC (+5 to +18V)
5 10
6 VEE (0 to -25V) 9
7 GND 8

CXB1341R (SONY)

SERIAL DIGITAL INTERFACE TRANSMISSION ENCODER

—TOP VIEW—



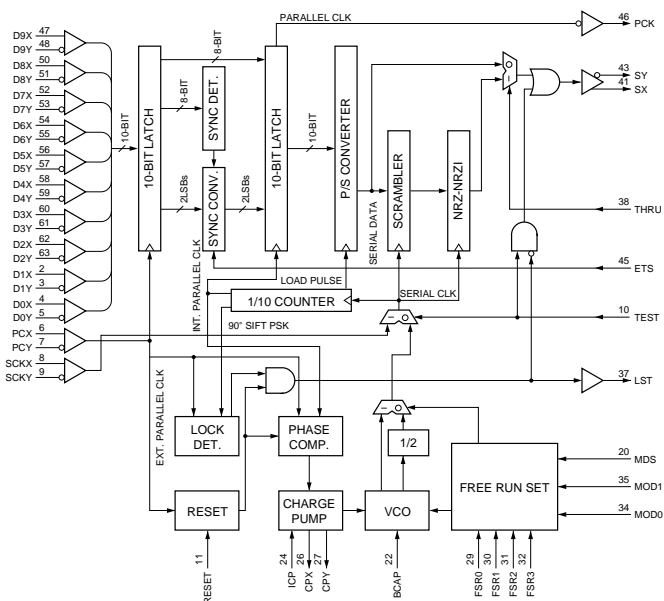
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	Vccl	17	—	NC	33	—	GND	49	—	Vcct
2	I	D1X	18	—	NC	34	I	MOD0	50	I	D8X
3	I	D1Y	19	—	Vccl	35	I	MOD1	51	I	D8Y
4	I	D0X	20	I	MDS	36	—	Vcc2	52	I	D7X
5	I	D0Y	21	—	NC	37	O	LST	53	I	D7Y
6	I	PCX	22	I	BCAP	38	I	THRU	54	I	D6X
7	I	PCY	23	—	Vccl	39	—	GND	55	I	D6Y
8	I	SCKX	24	I	ICP	40	—	GND	56	I	D5X
9	I	SCKY	25	—	GND	41	O	SX	57	I	D5Y
10	I	TEST	26	O	CPX	42	—	Vccs	58	I	D4X
11	I	RESET	27	O	CPY	43	O	SY	59	I	D4Y
12	—	Vcct	28	—	Vccl	44	—	Vccl	60	I	D3X
13	—	Vccl	29	I	FSR0	45	I	ETS	61	I	D3Y
14	—	GND	30	I	FSR1	46	O	PCK	62	I	D2X
15	—	GND	31	I	FSR2	47	I	D9X	63	I	D2Y
16	—	NC	32	I	FSR3	48	I	D9Y	64	—	GND

INPUT

BCAP : EXTERNAL CAPACITOR FOR VCO
 D8X - D0X : POSITIVE PARALLEL DATA
 D9Y - D0Y : NEGATIVE PARALLEL DATA
 ETS : 8-BIT/10-BIT SELECT (L = 8-BIT, H OR OPEN = 10-BIT)
 FSR0 - FSR3 : EXTERNAL RESISTOR FOR SETTING THE FREE-RUN FREQUENCY OF VCO
 ICP : EXTERNAL RESISTOR FOR CHARGE PUMP
 MDS : TEST
 MOD0, MOD1 : VCO RATE SELECT
 PCX : POSITIVE PARALLEL CLOCK
 PCY : NEGATIVE PARALLEL CLOCK
 RESET : PLL RESET
 SCKX, SCKY : TEST
 THRU : TEST

OUTPUT

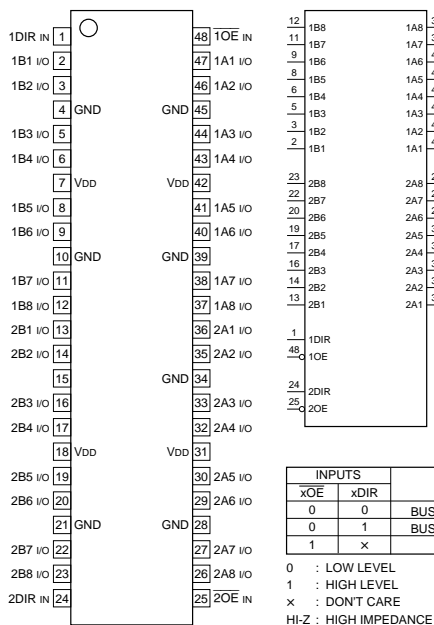
LST : PLL LOCK STATUS
 PCK : PARALLEL CLOCK
 CPX, CPY : CHARGE PUMP
 SX, SY : EXTERNAL RESISTOR FOR SERIAL DIFFERENTIAL



74LCX16245MTDX (NS) FLAT PACKAGE

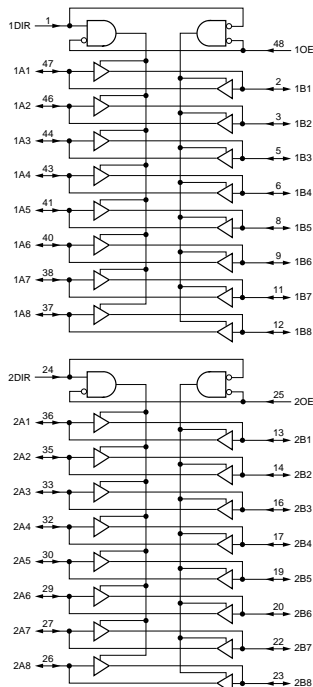
C-MOS 16-BIT BIDIRECTIONAL TRANSCEIVER

—TOP VIEW—



INPUTS		OUTPUTS
xOE	xDIR	
0	0	BUS B DATA TO BUS A
0	1	BUS A DATA TO BUS B
1	x	HI-Z

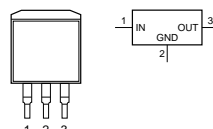
0 : LOW LEVEL
 1 : HIGH LEVEL
 x : DON'T CARE
 HI-Z : HIGH IMPEDANCE



LM3940IS

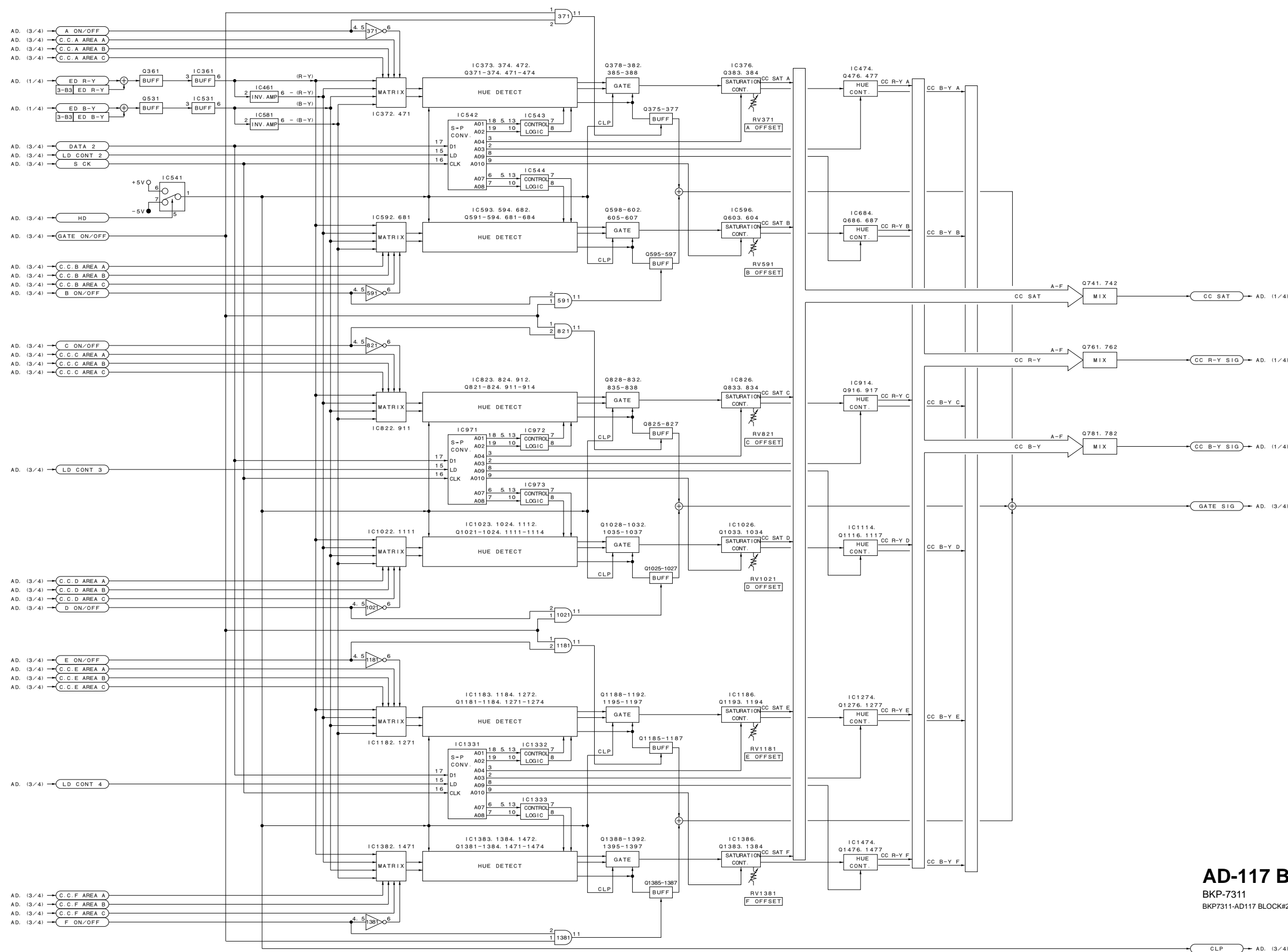
LOW DROPOUT REGULATOR

—TOP VIEW—



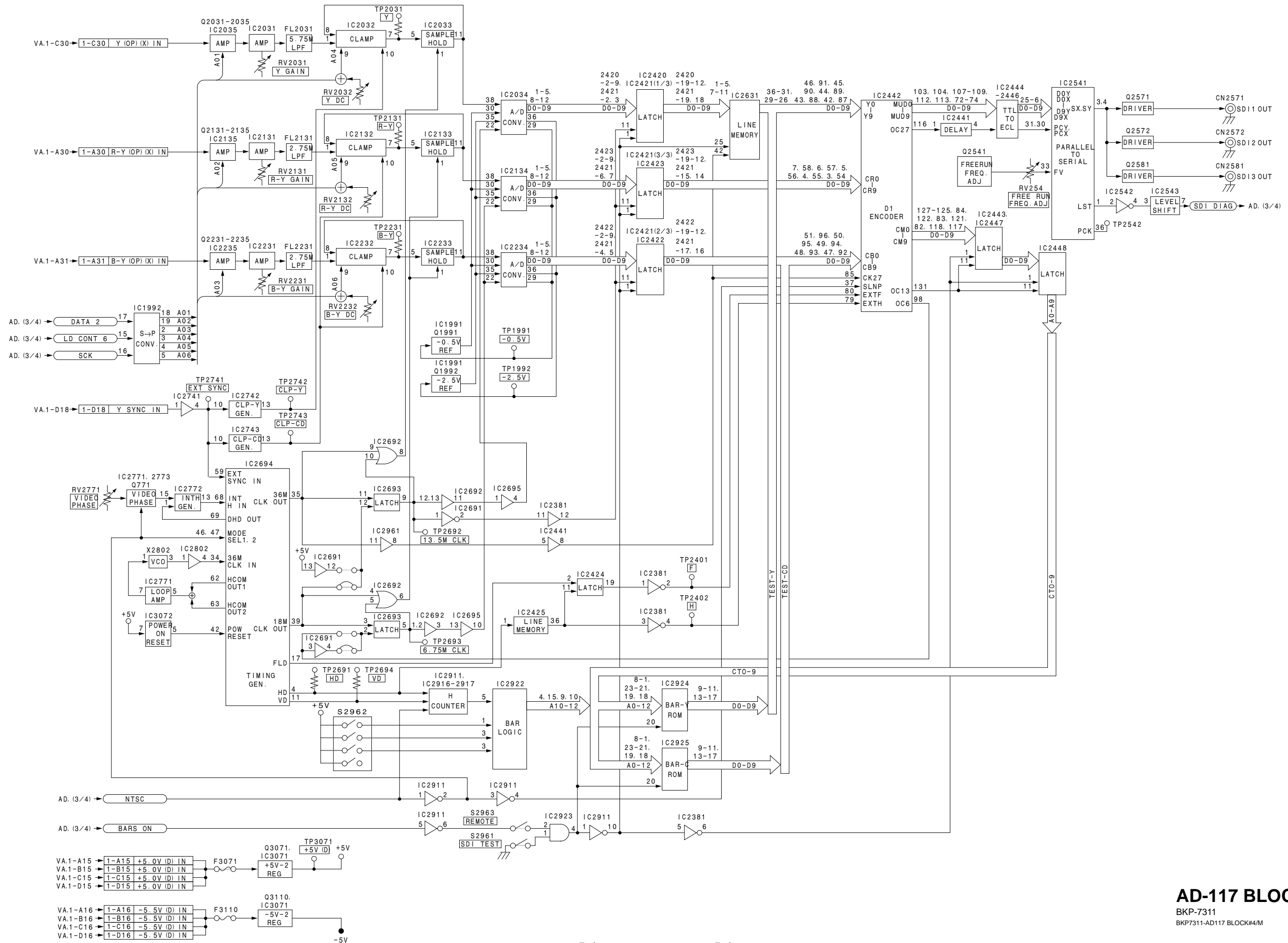
AD-117 BOARD





AD-117 BLOCK (2/4)
BKP-7311
BKP7311-AD117 BLOCK#2/M



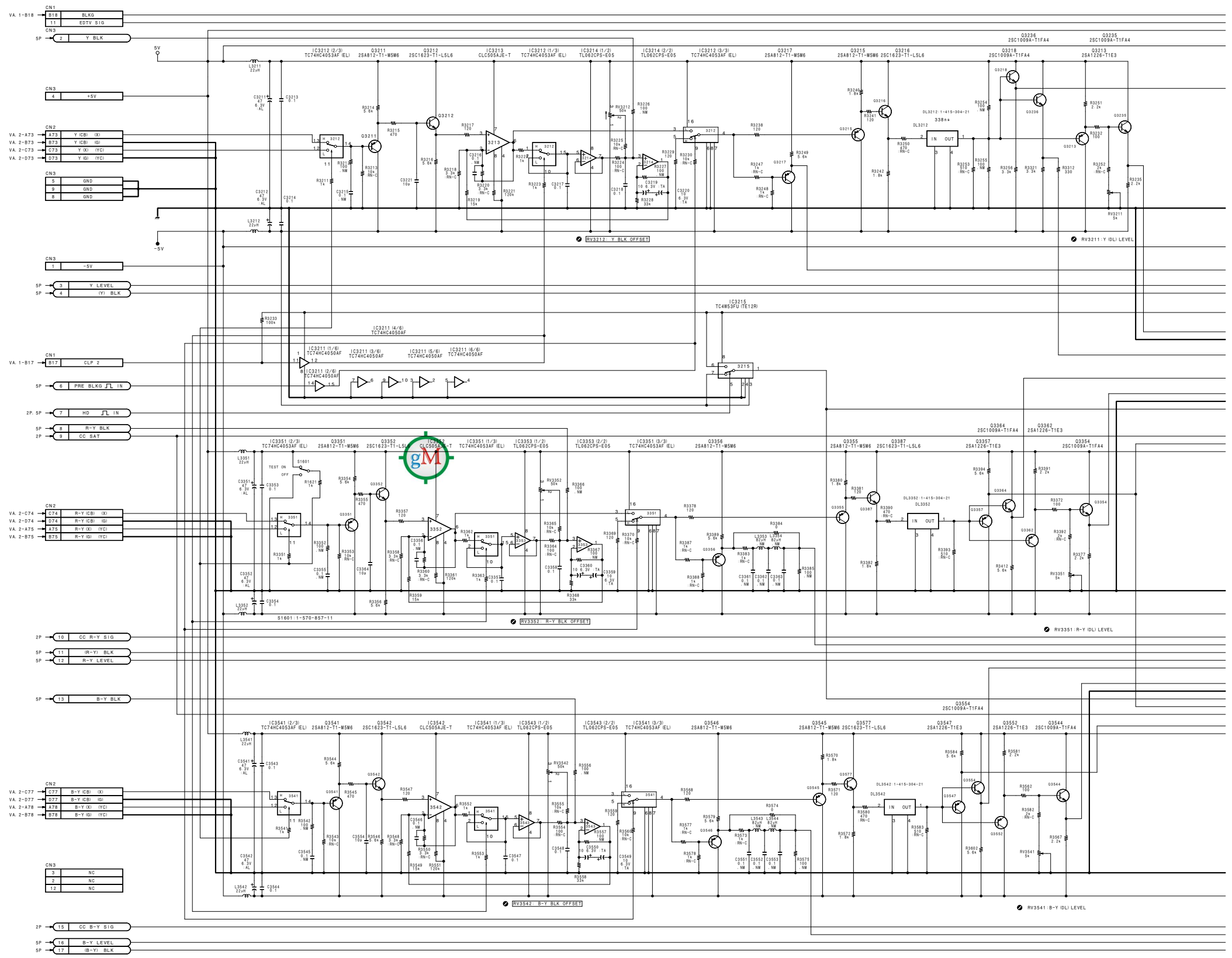


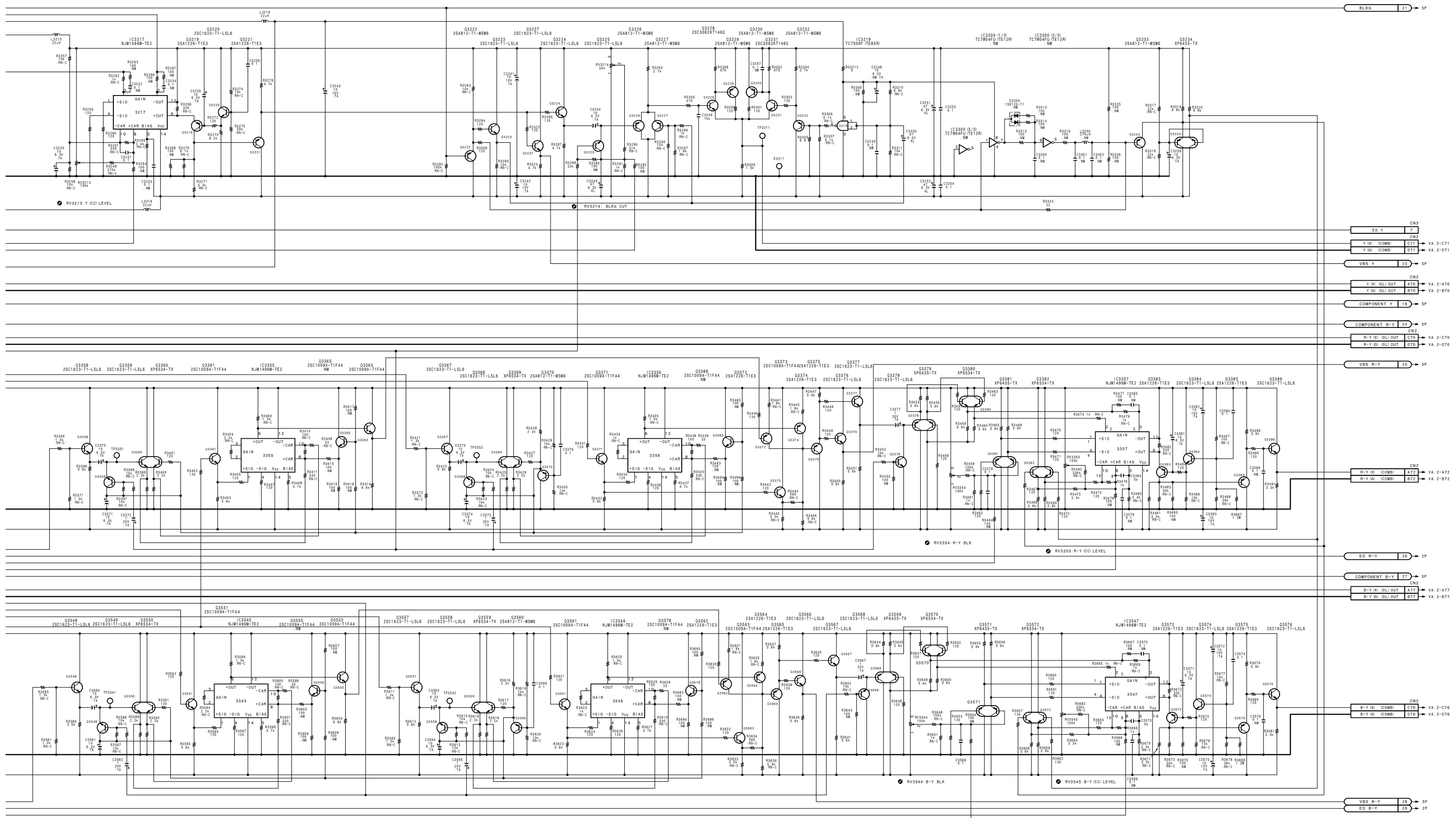
AD-117 BLOCK (4/4)

BKP-7311

BKP7311-AD117 BLOCK#4/M

Section 6
Schematic Diagram





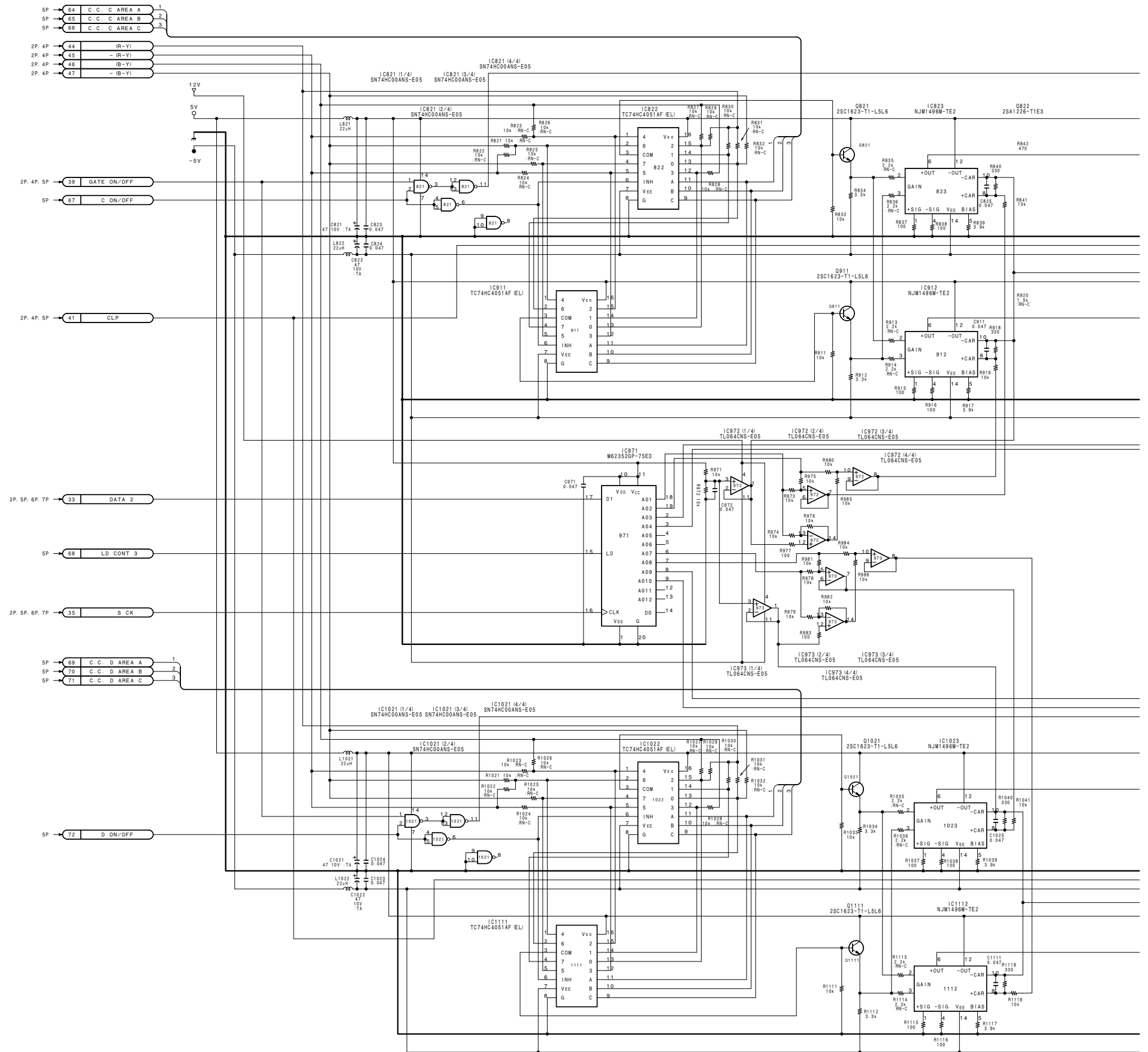
AD-117 (1/10)

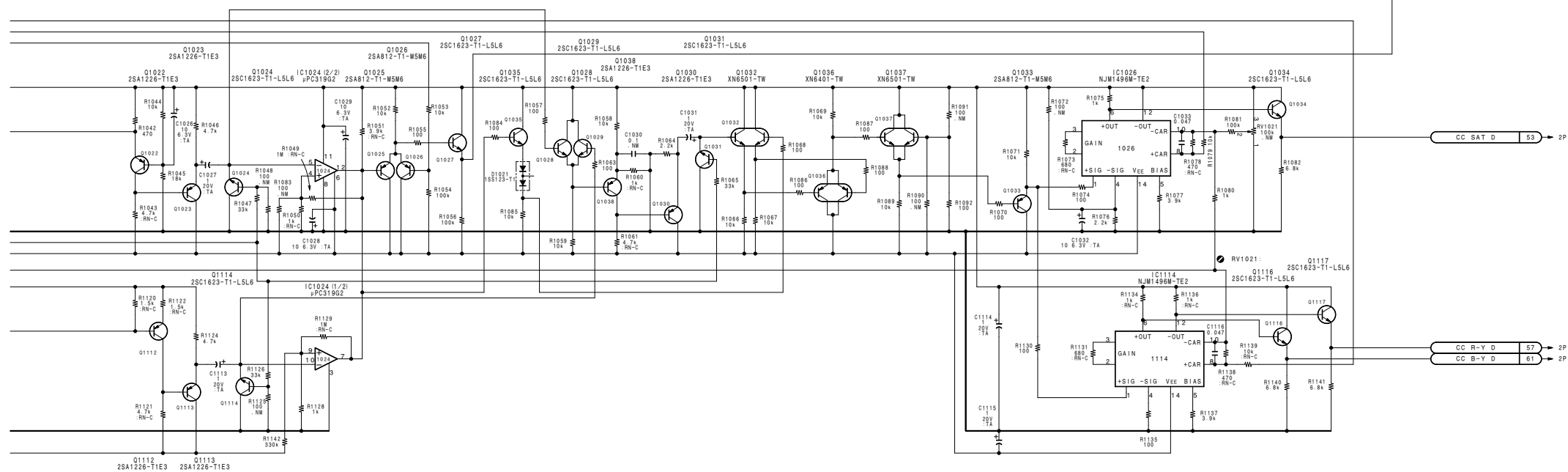
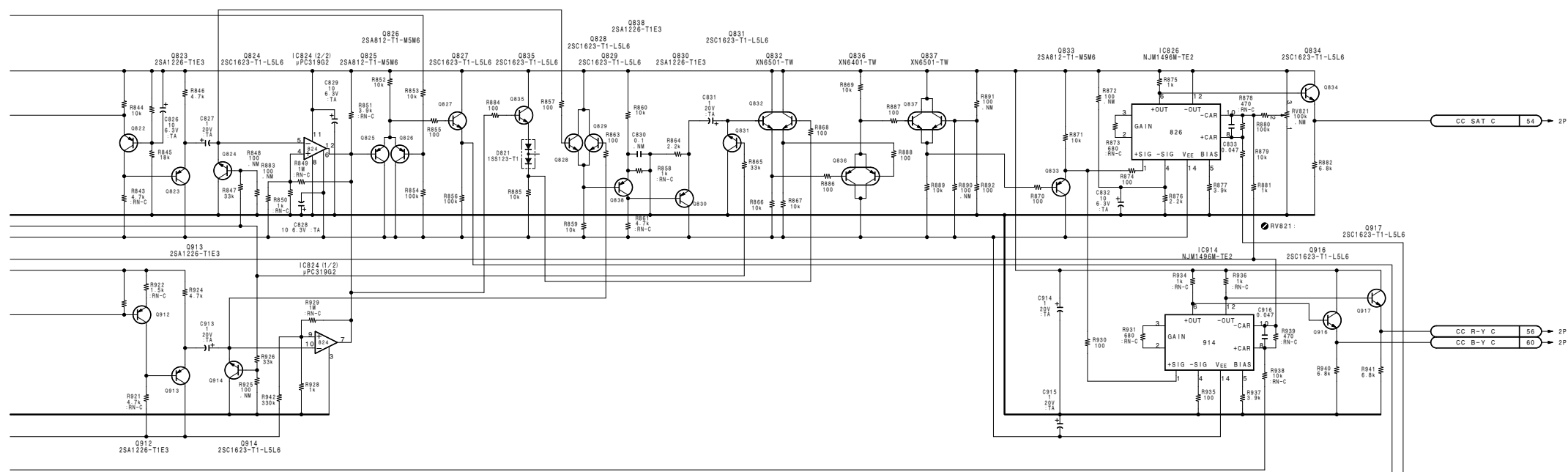
BOARD NO. 1-658-403-13

LOT NO. 808-

B-BKP7311-AD117-13

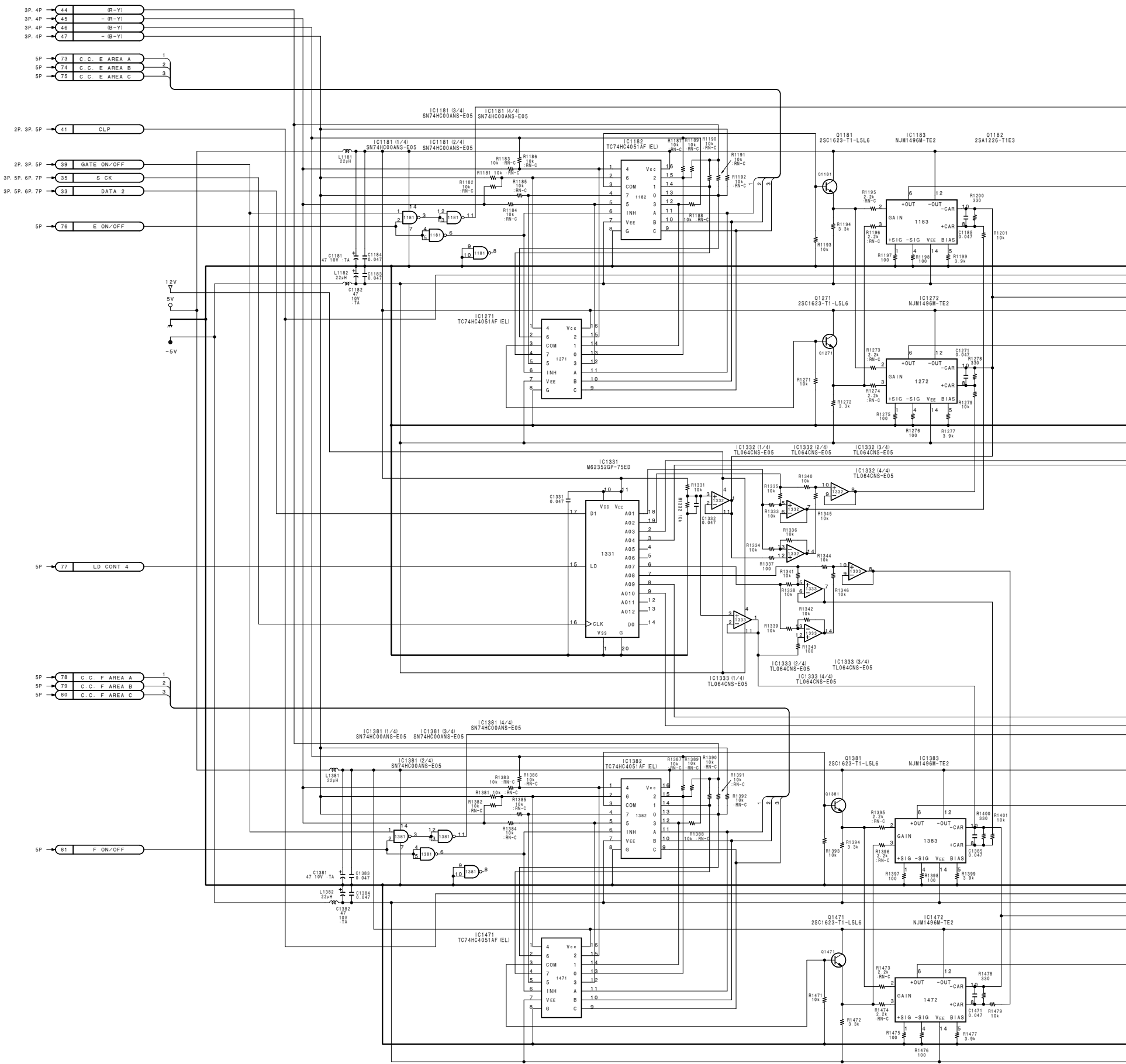






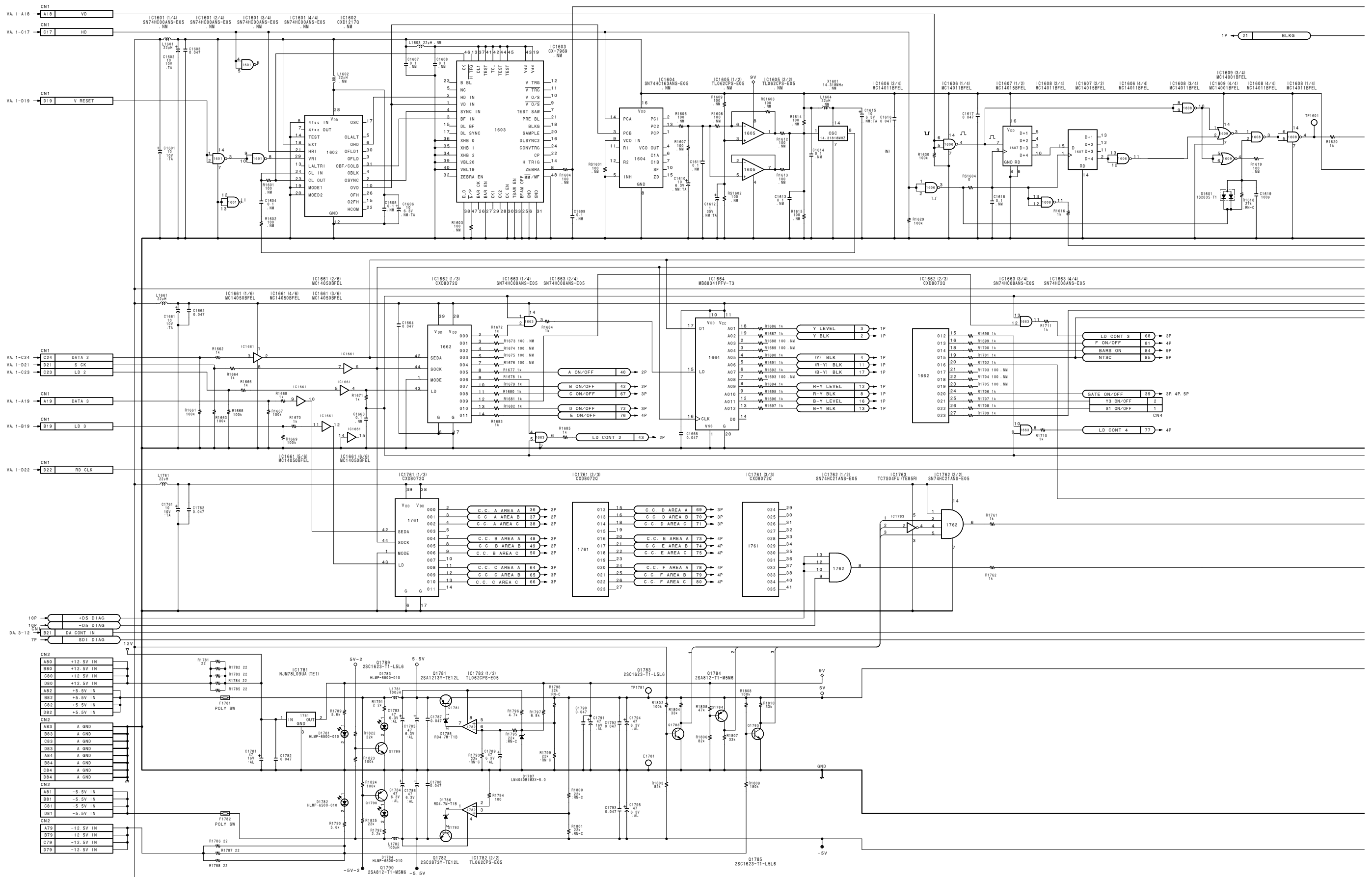
AD-117 (3/10)

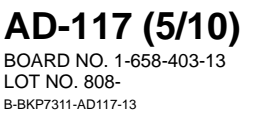
BOARD NO. 1-658-403-13
LOT NO. 808-
B-BKP7311-AD117-13





BOARD NO. 1-658-403-13
LOT NO. 808-
B-BKP7311-AD117-13





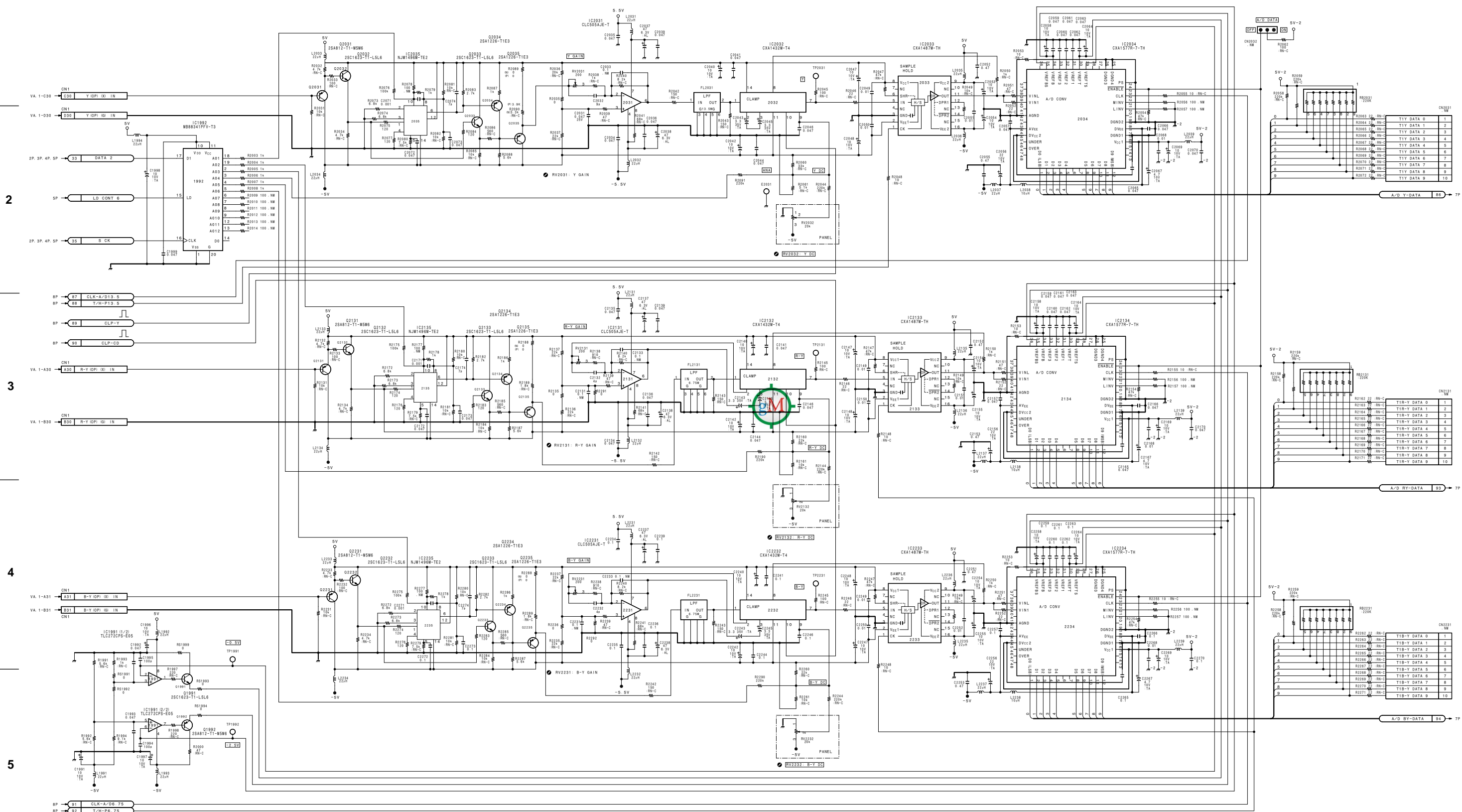
1

2

3

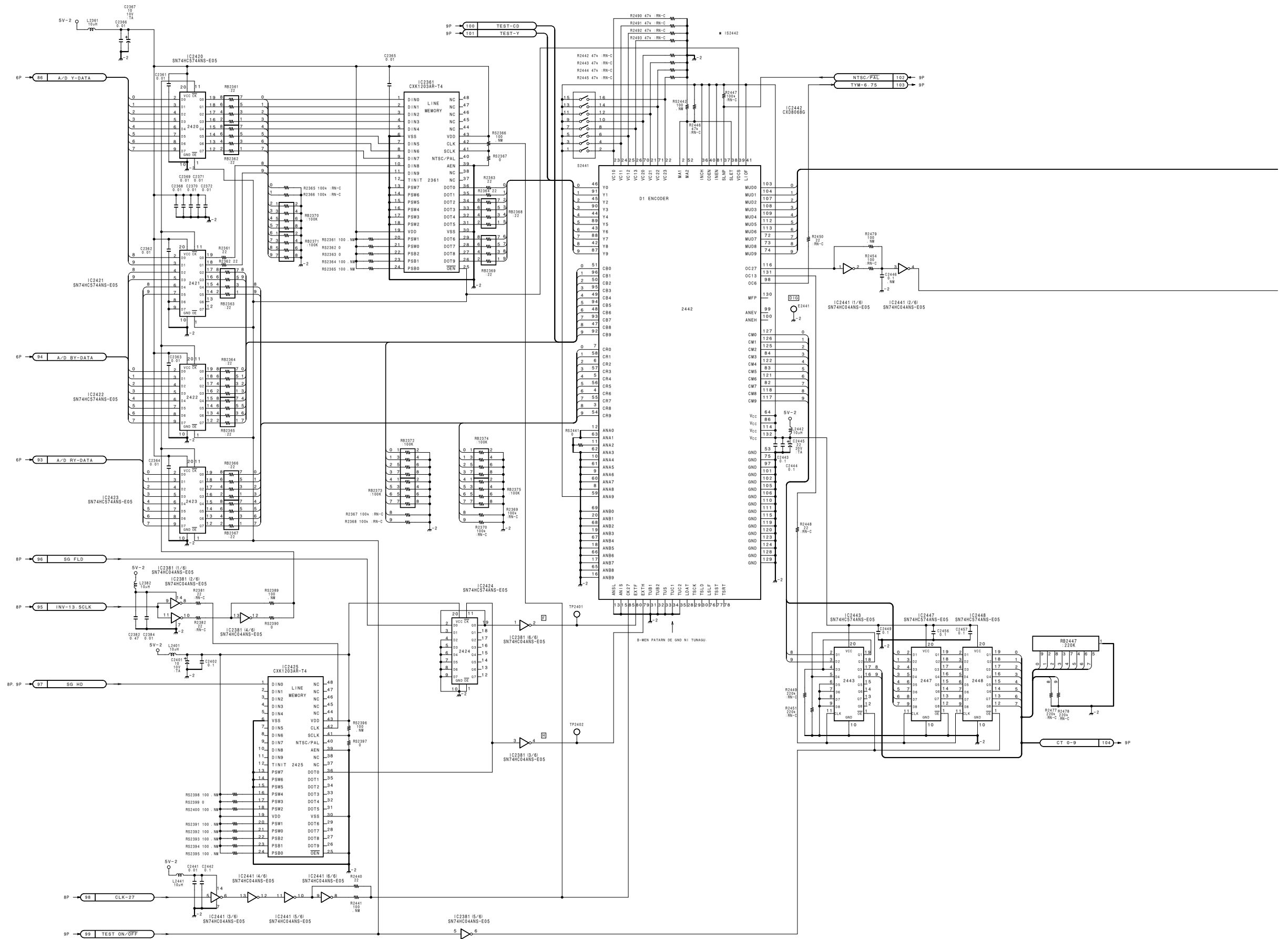
4

5



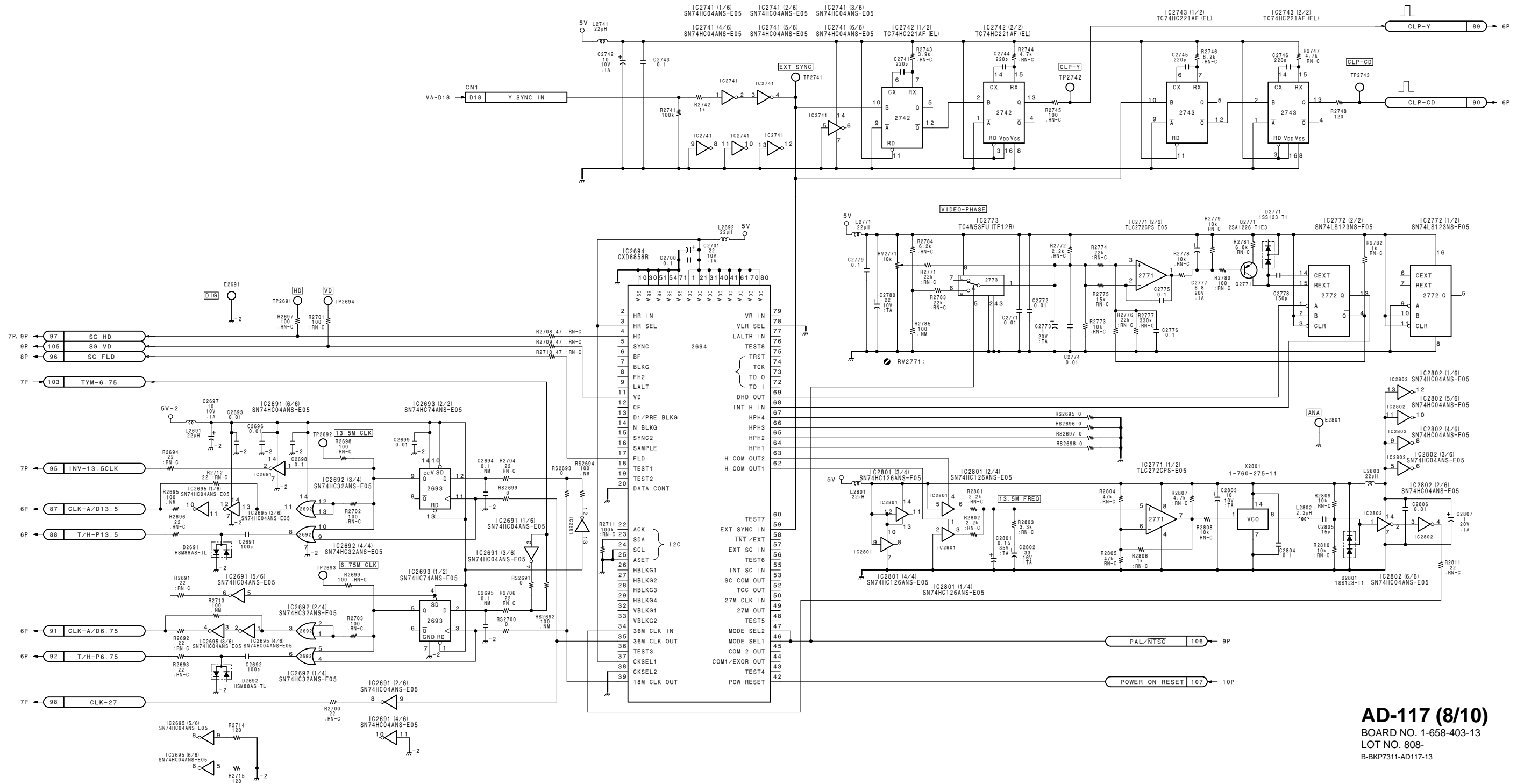
AD-117 (6/10)

BOARD NO. 1-658-403-13
LOT NO. 808-
B-BKP731-AD117-13

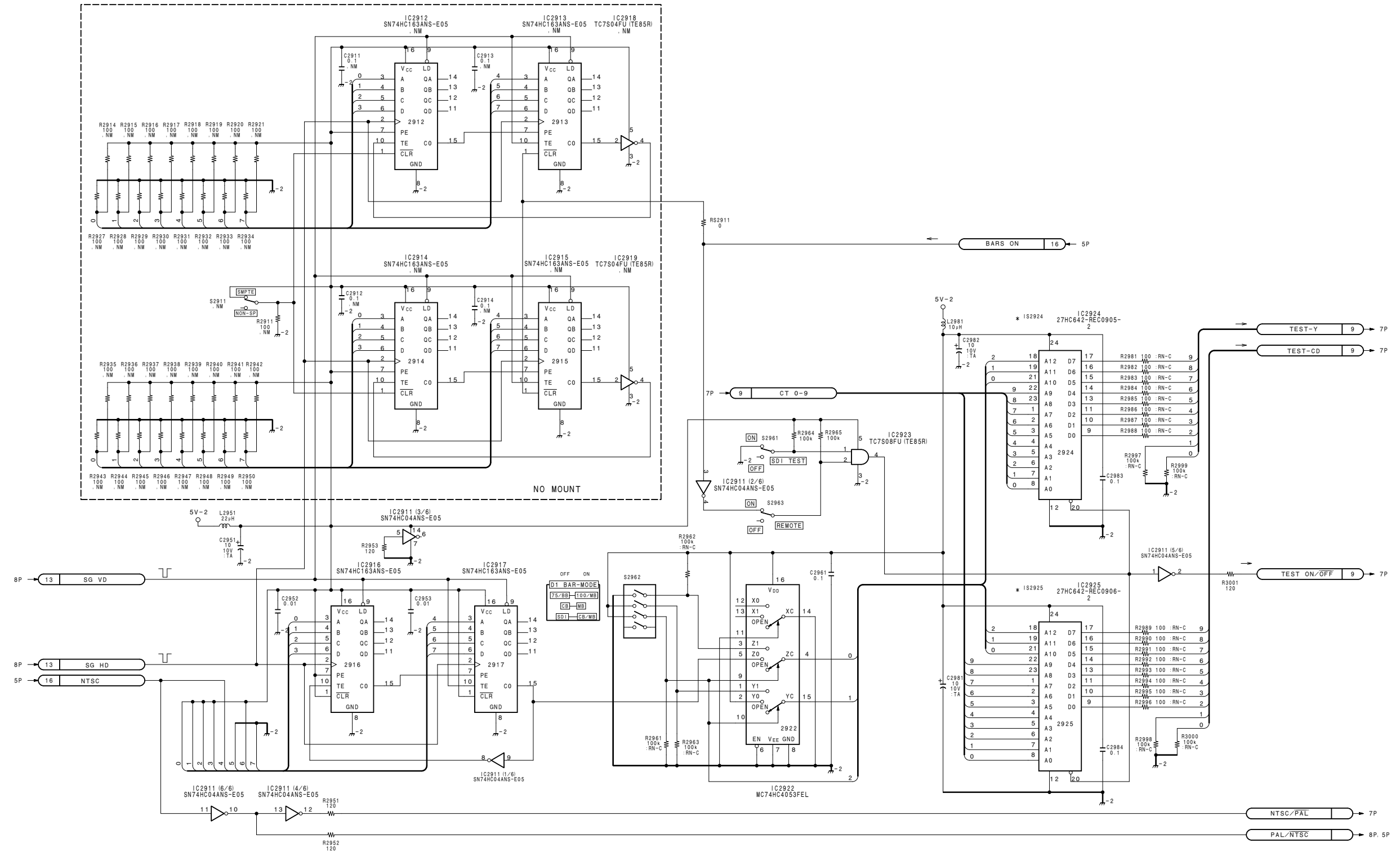


6-14 (c)

6-14 (c)

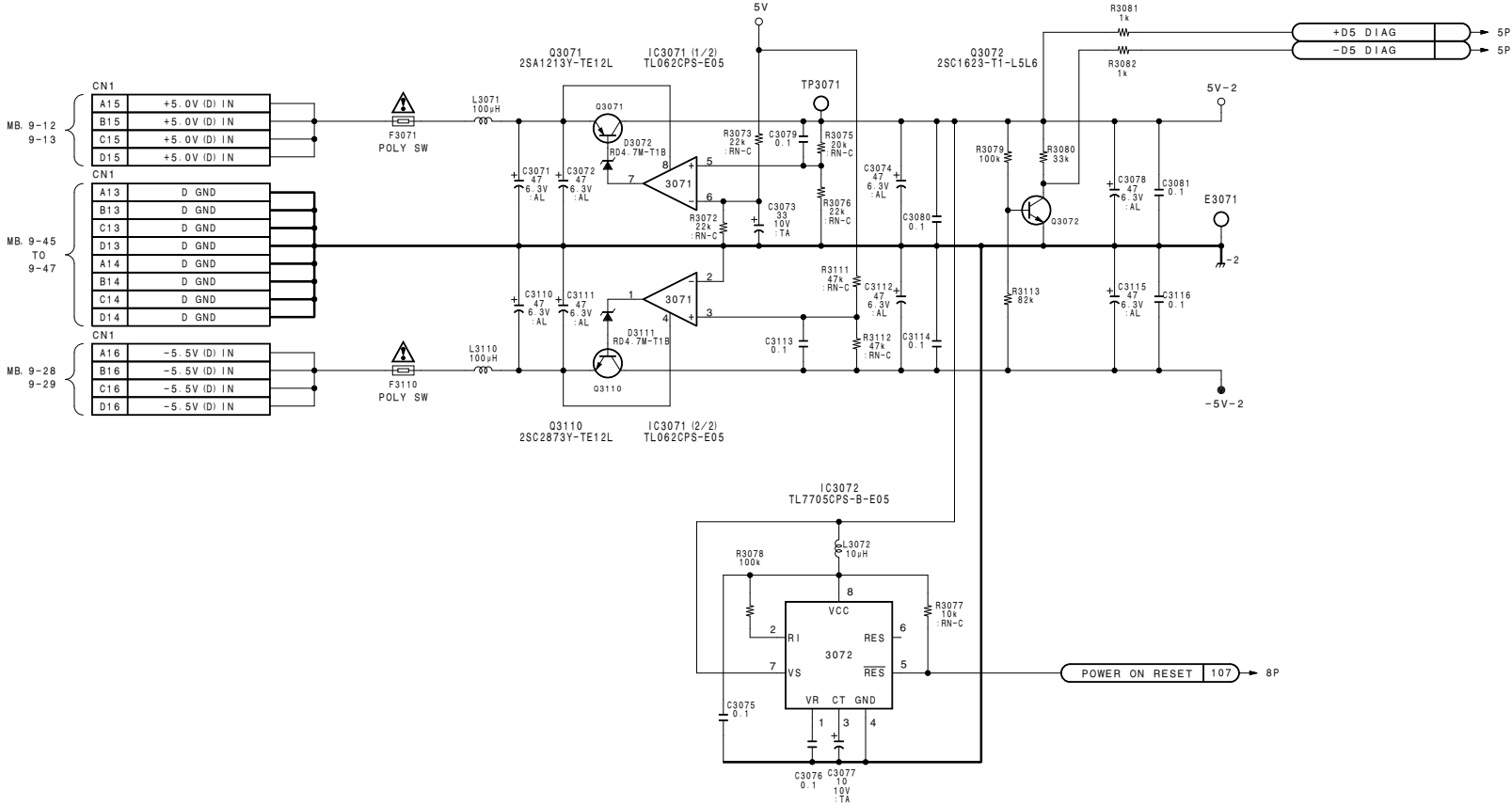


AD-117 (8/10)
BOARD NO. 1-658-403-13
LOT NO. 808-
B-BKP7311-AD117-13

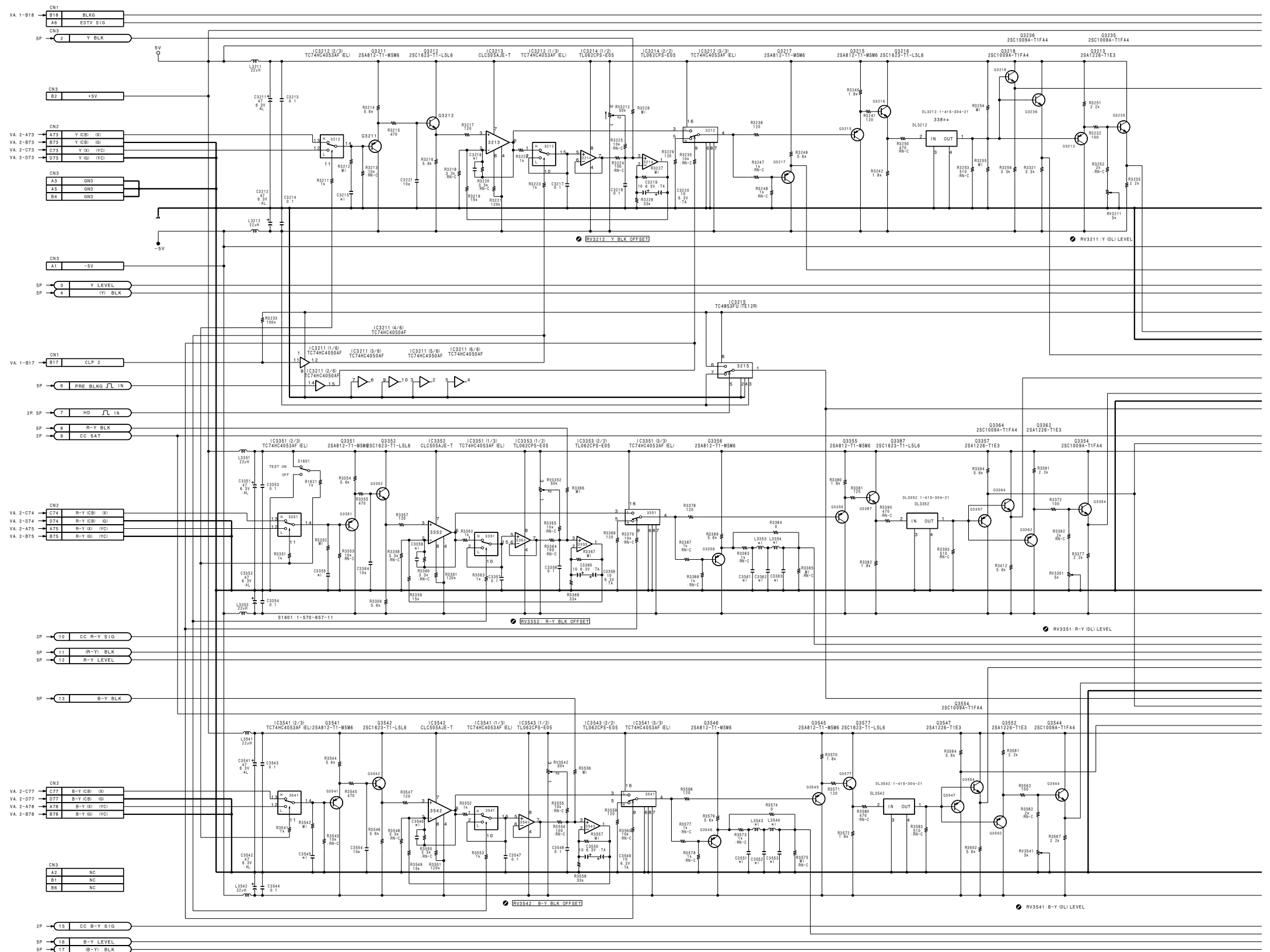


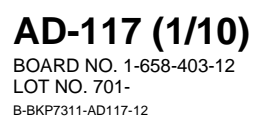
AD-117 (9/10)

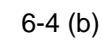
BOARD NO. 1-658-403-13
LOT NO. 808-
B-BKP7311-AD117-13

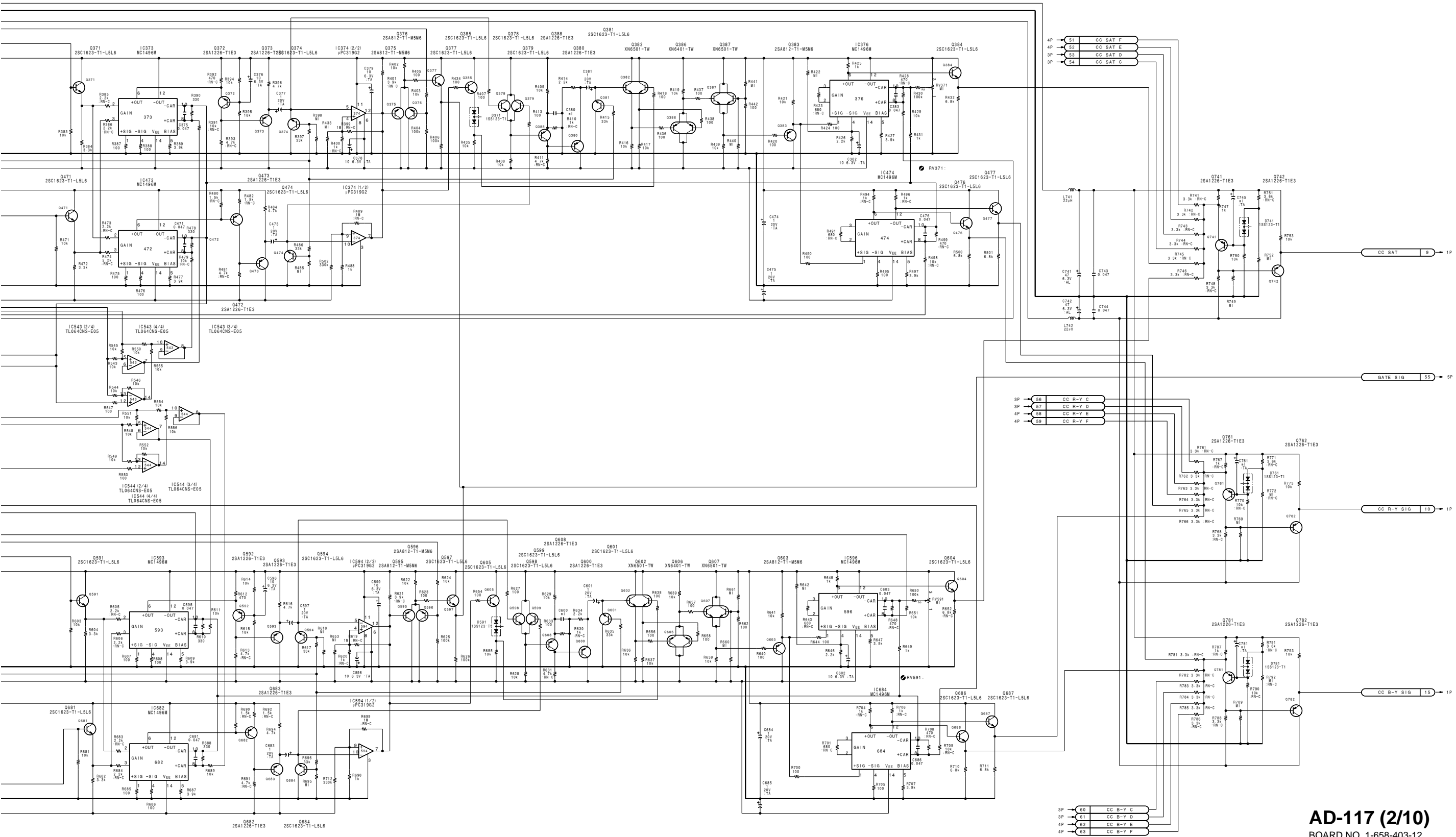


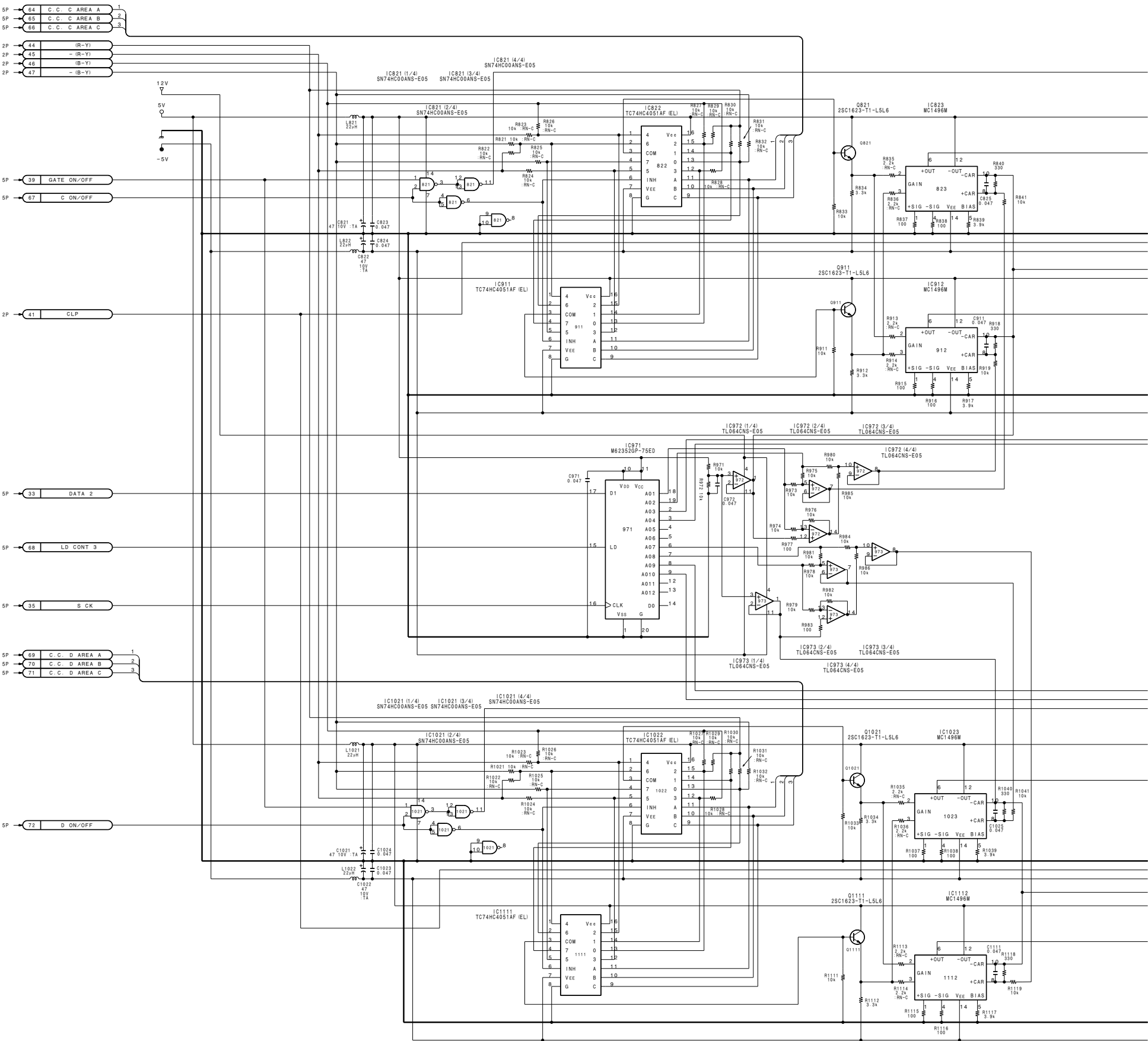
AD-117 (10/10)
BOARD NO. 1-658-403-13
LOT NO. 808-
B-BKP7311-AD117-13

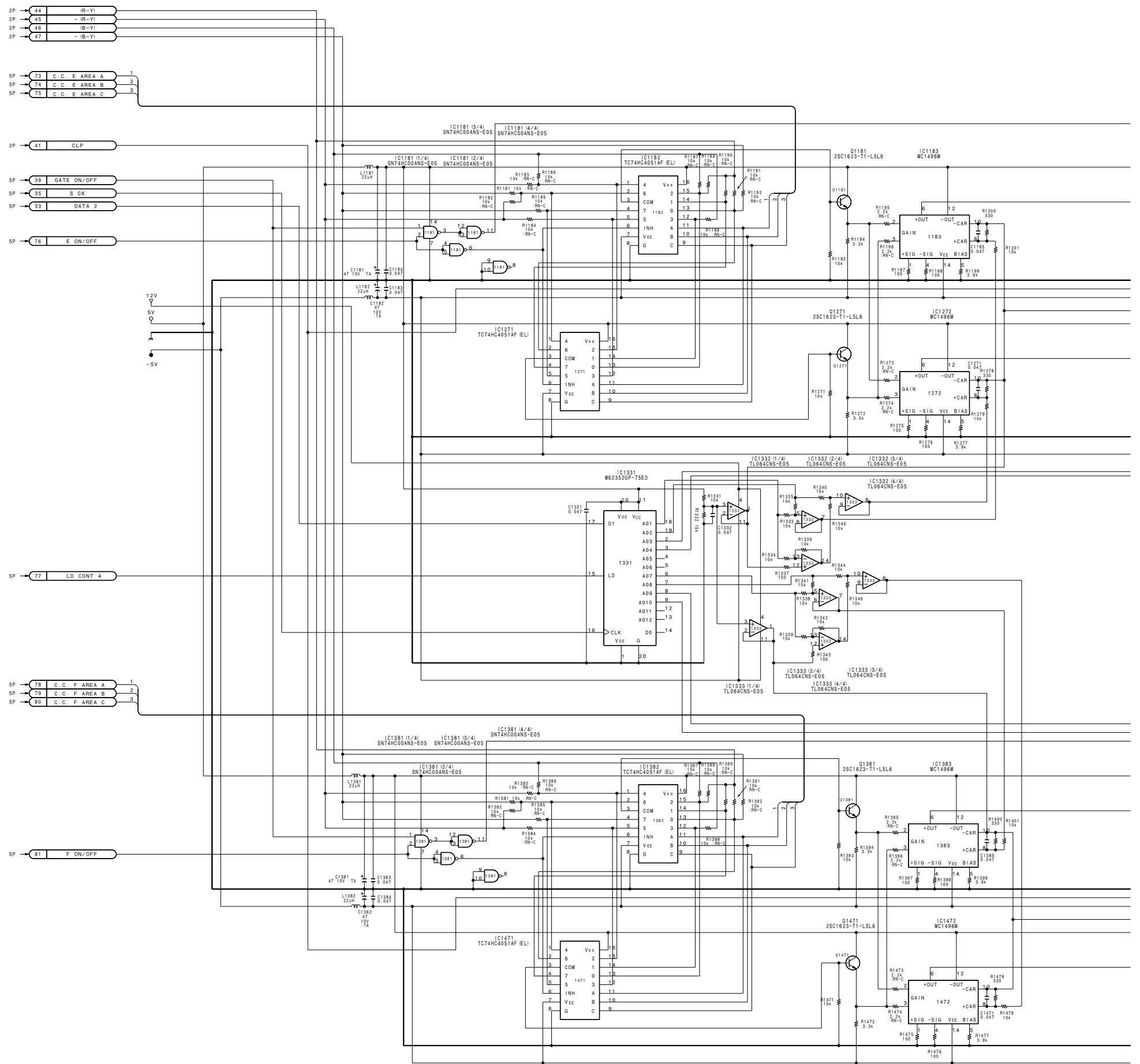






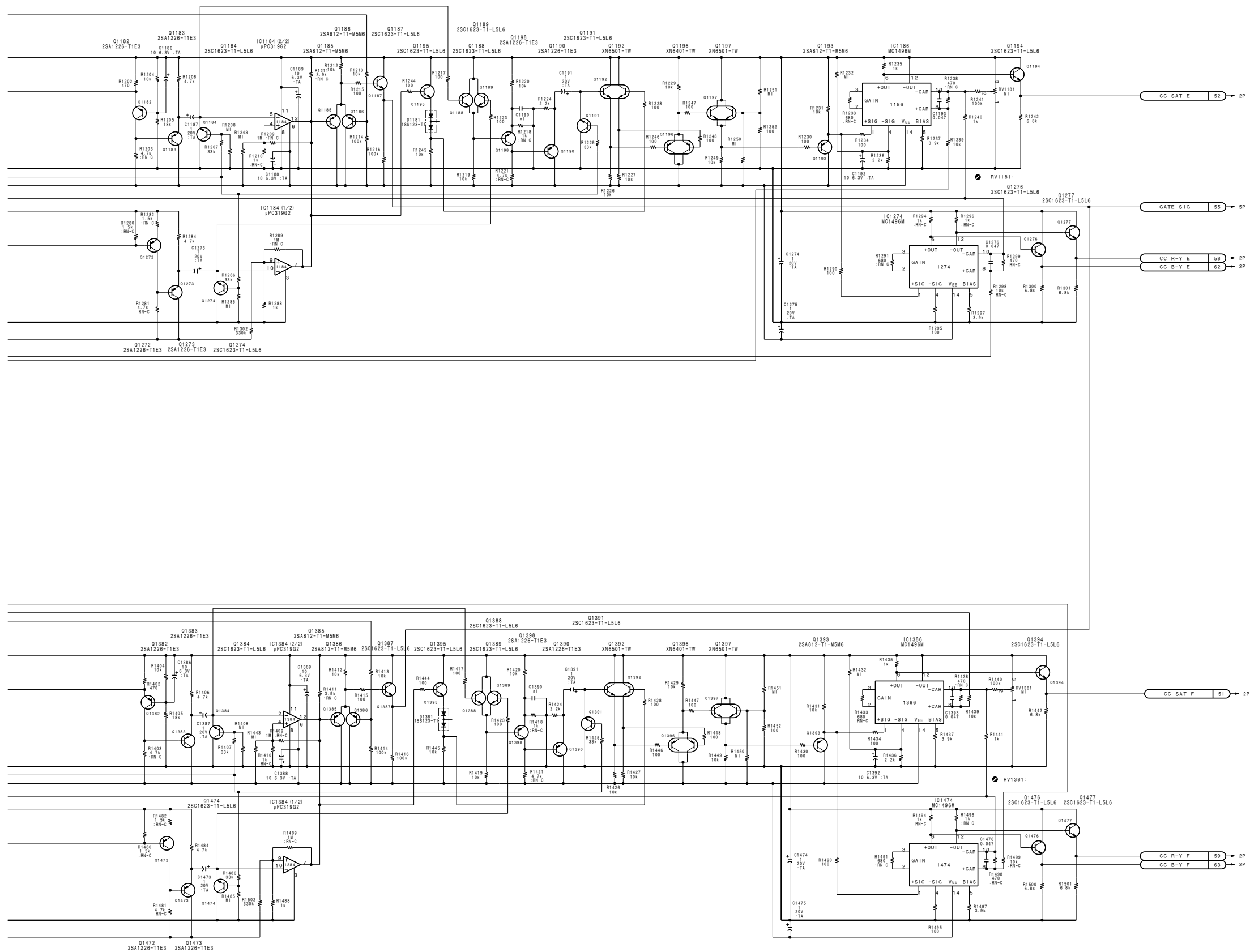




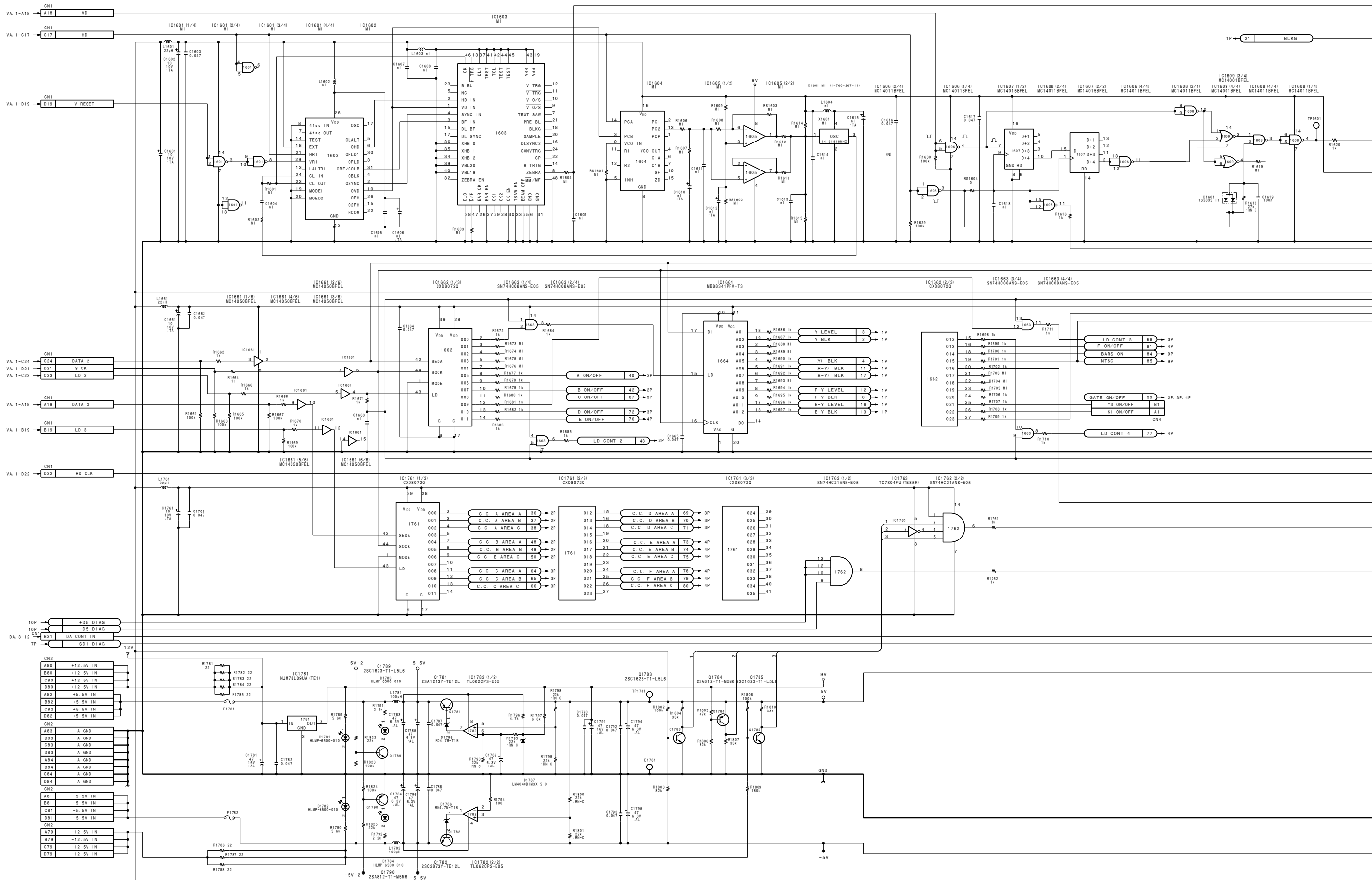


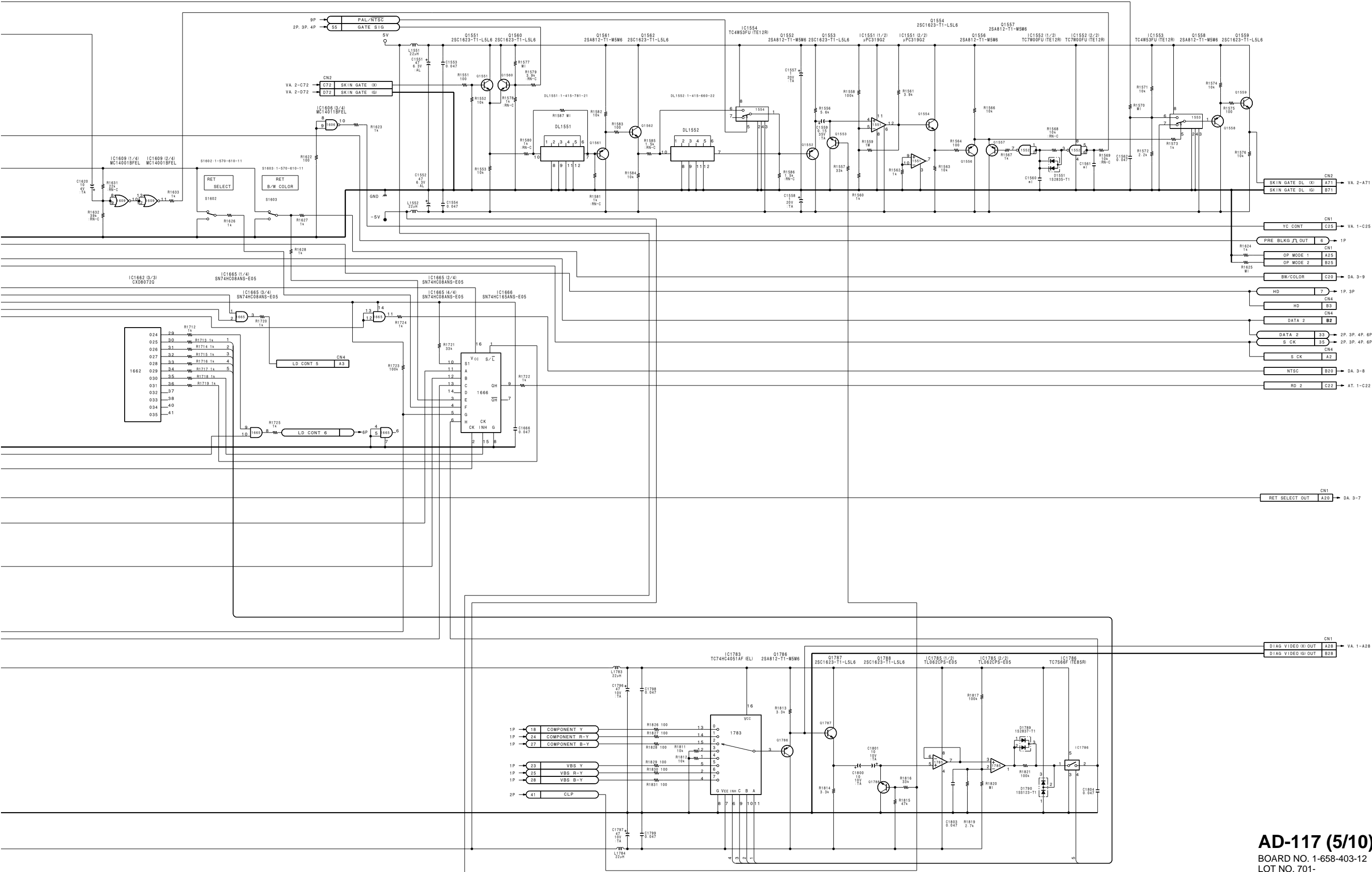
6-8 (b)

6-8 (b)

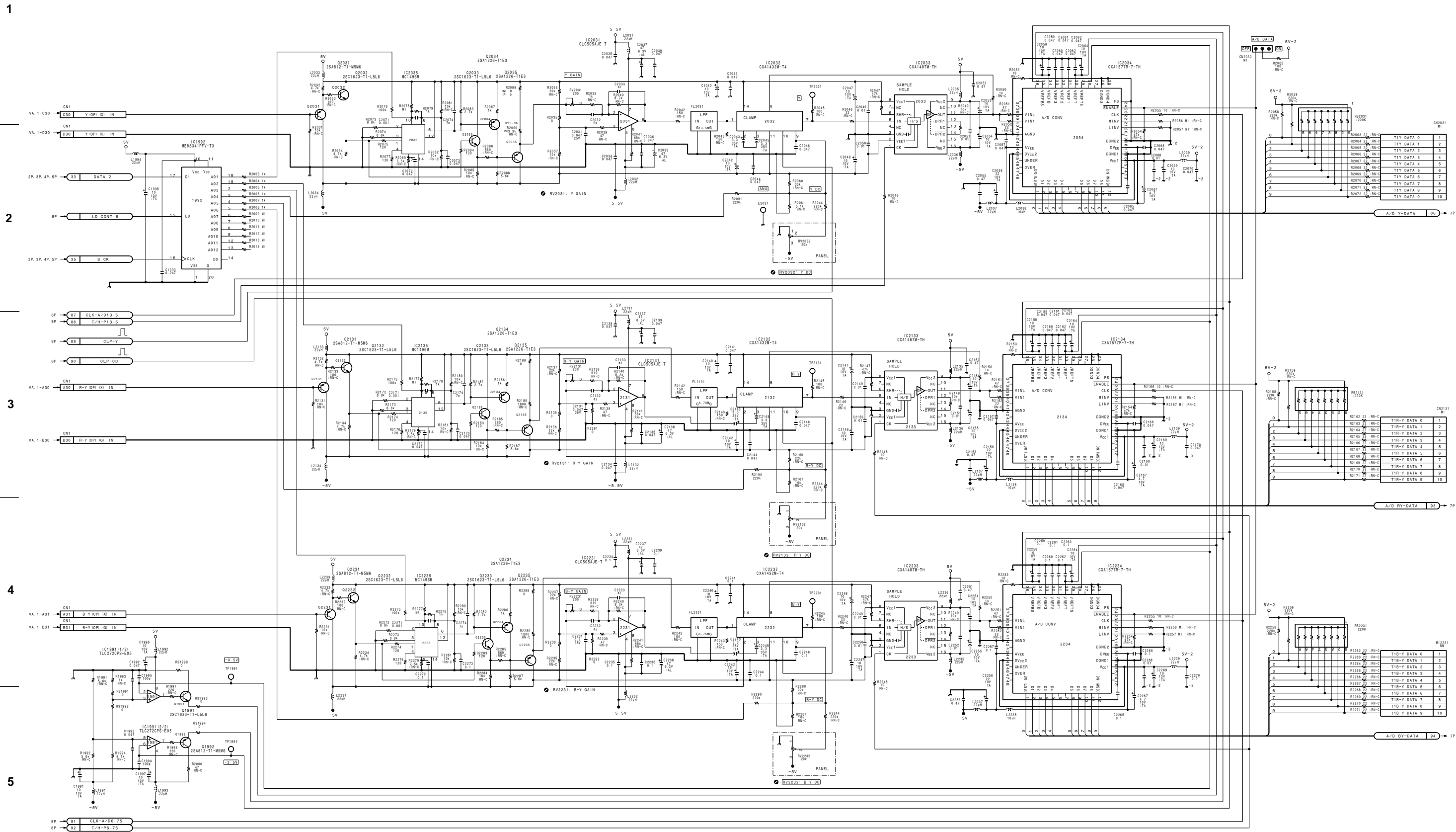


AD-117 (4/10)
BOARD NO. 1-658-403-12
LOT NO. 701-
B-BKP7311-AD117-12





AD-117 (5/10)
BOARD NO. 1-658-403-12
LOT NO. 701-
B-BKP7311-AD117-12

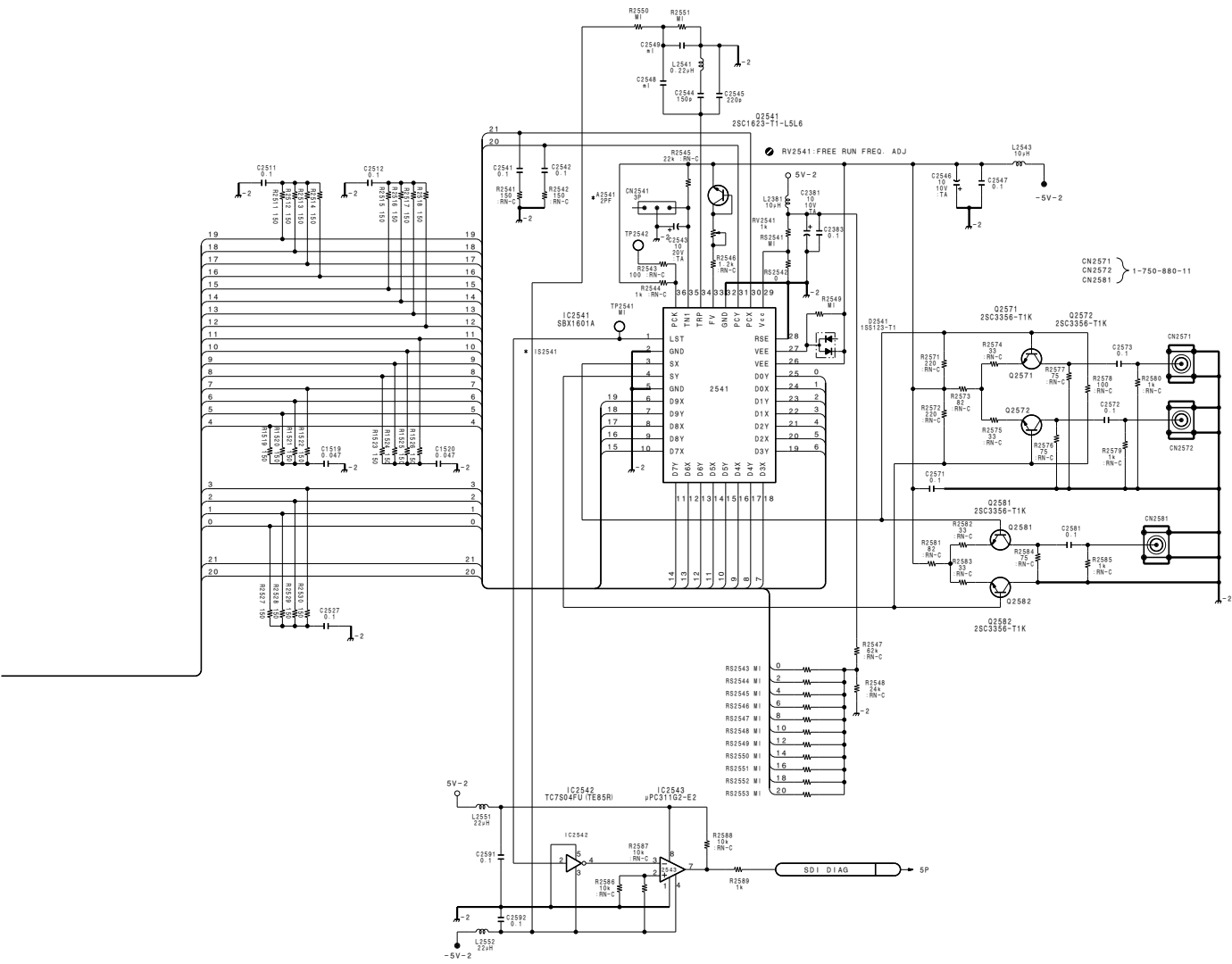


AD-117 (6/10)

BOARD NO. 1-658-403-12
LOT NO. 701-
B-BKP7311-AD117-12

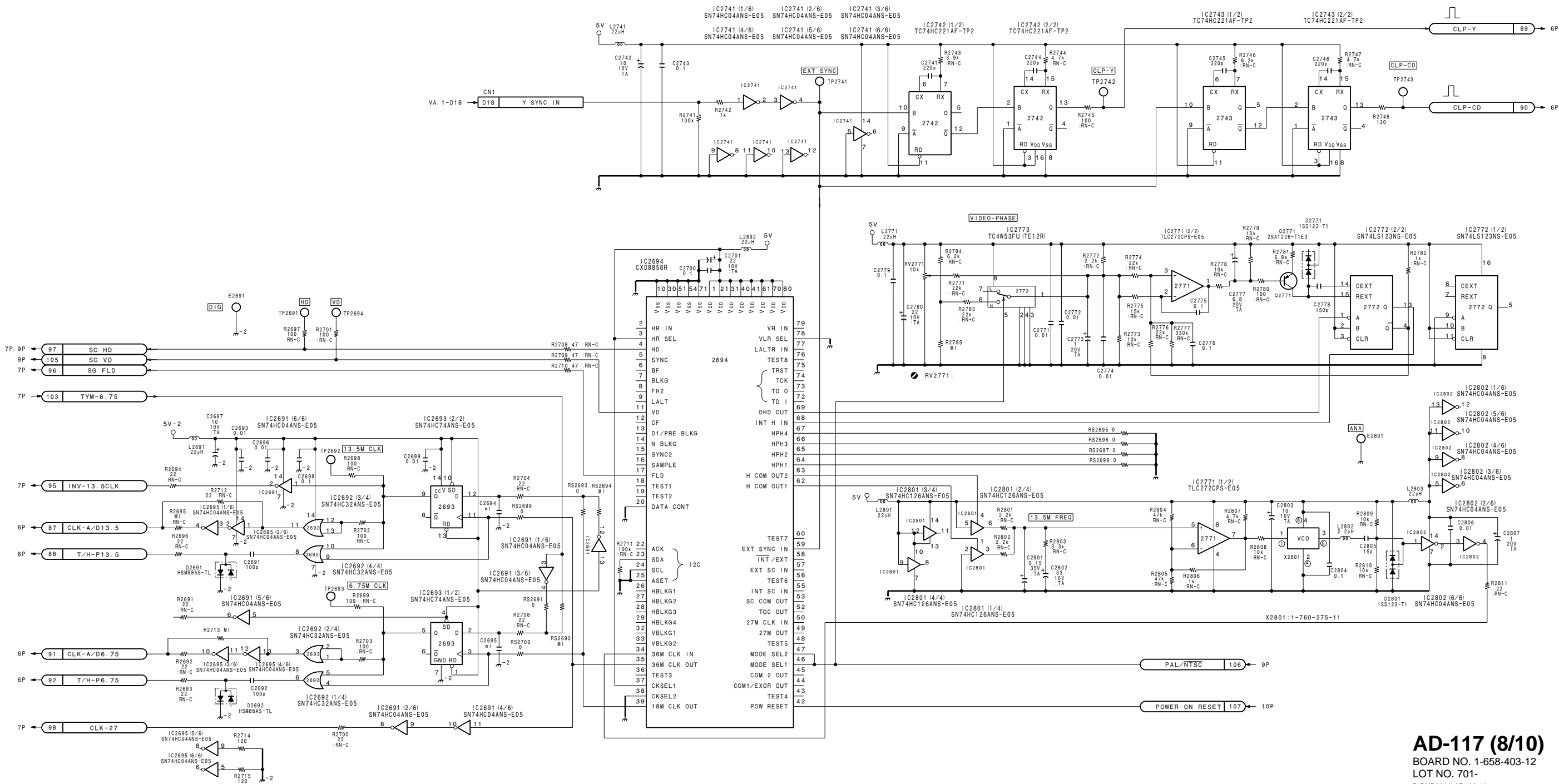


6-14 (b)

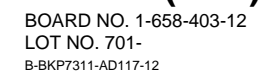


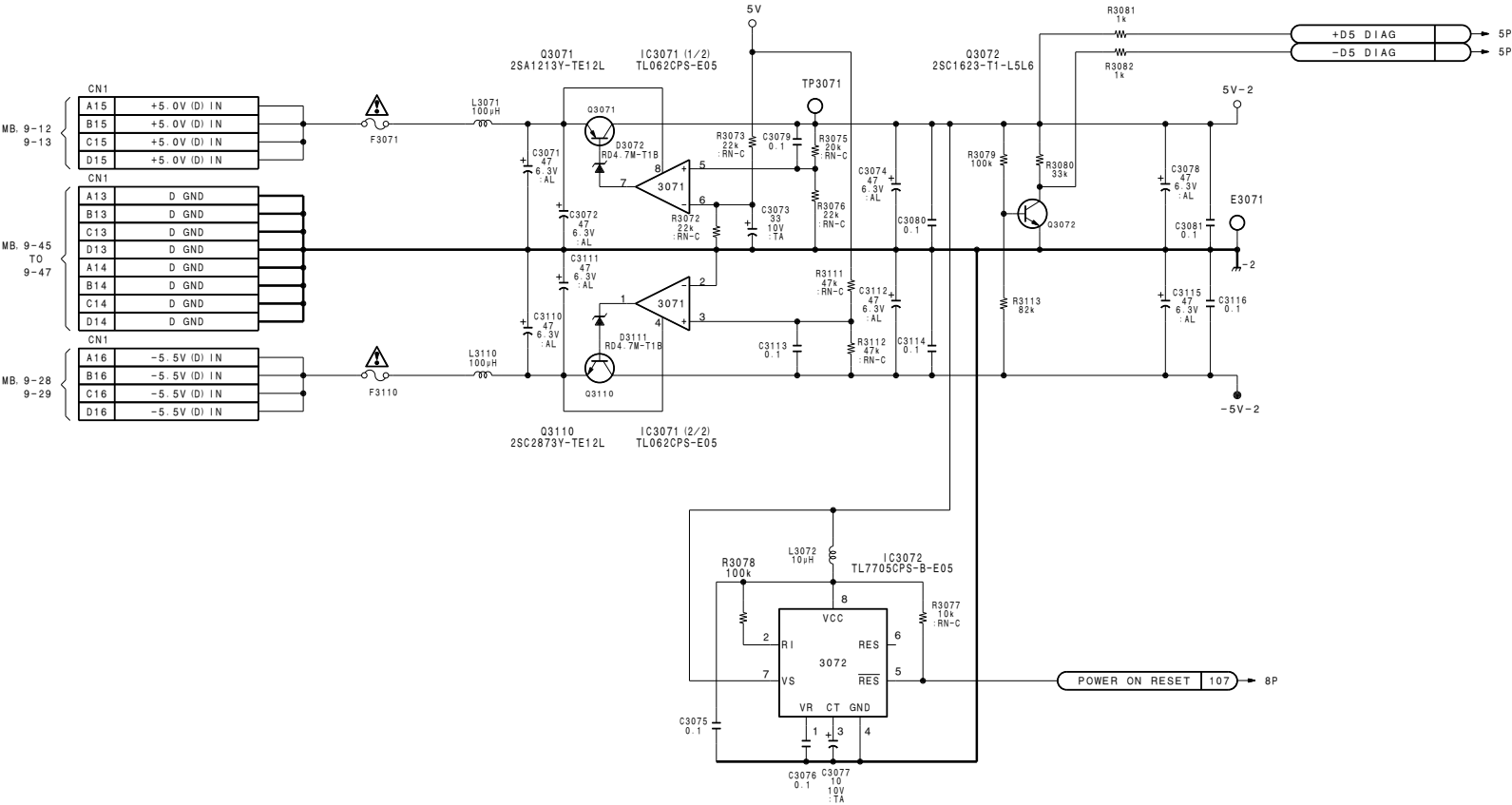
AD-117 (7/10)

BOARD NO. 1-658-403-12
LOT NO. 701-
B-BKP7311-AD117-12

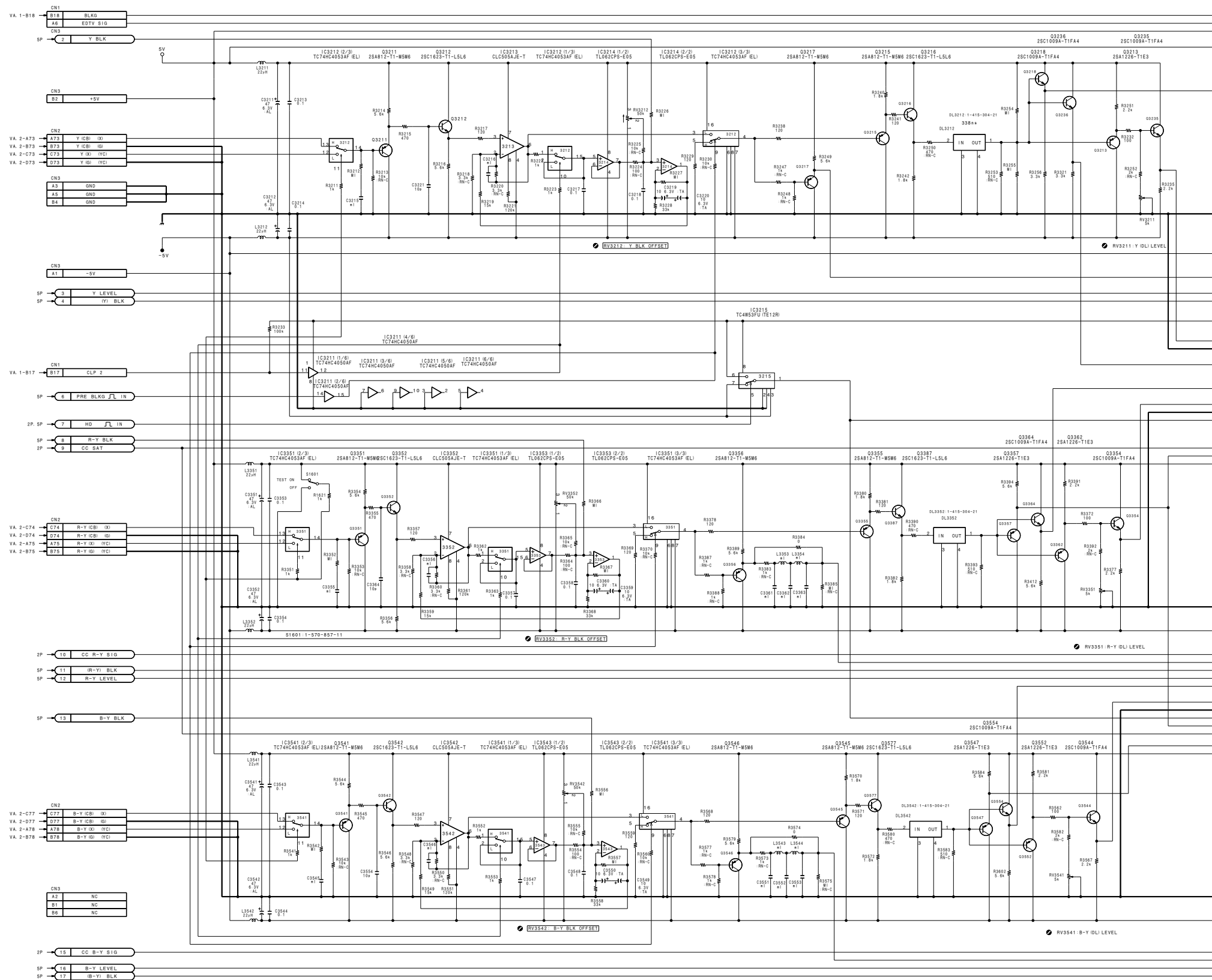


AD-117 (8/10)
BOARD NO. 1-658-403-12
LOT NO. 701-
B-BKP7311-AD117-12



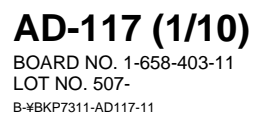


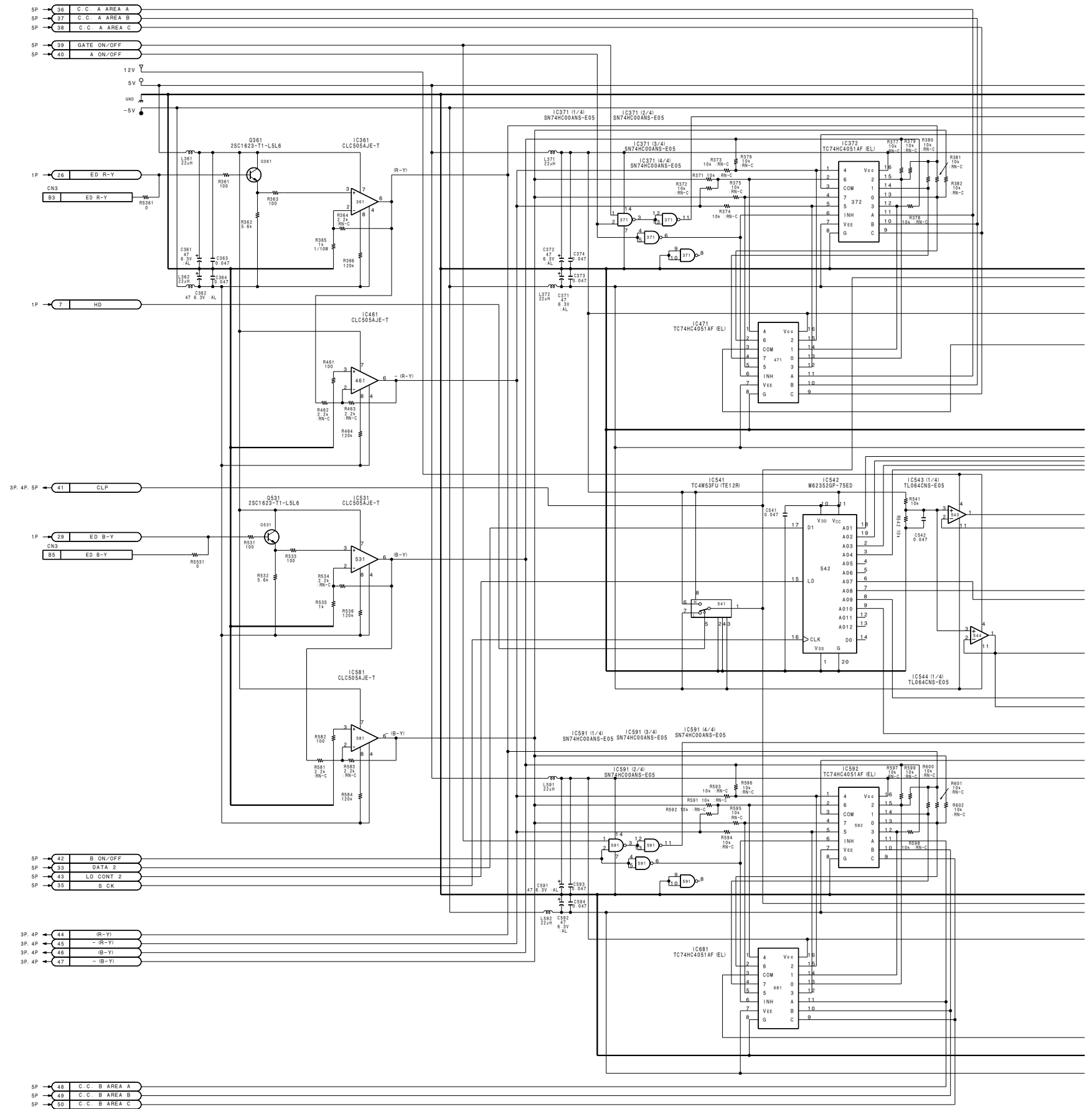
AD-117 (10/10)
BOARD NO. 1-658-403-12
LOT NO. 701-
B-BKP7311-AD117-12



6-2 (a)

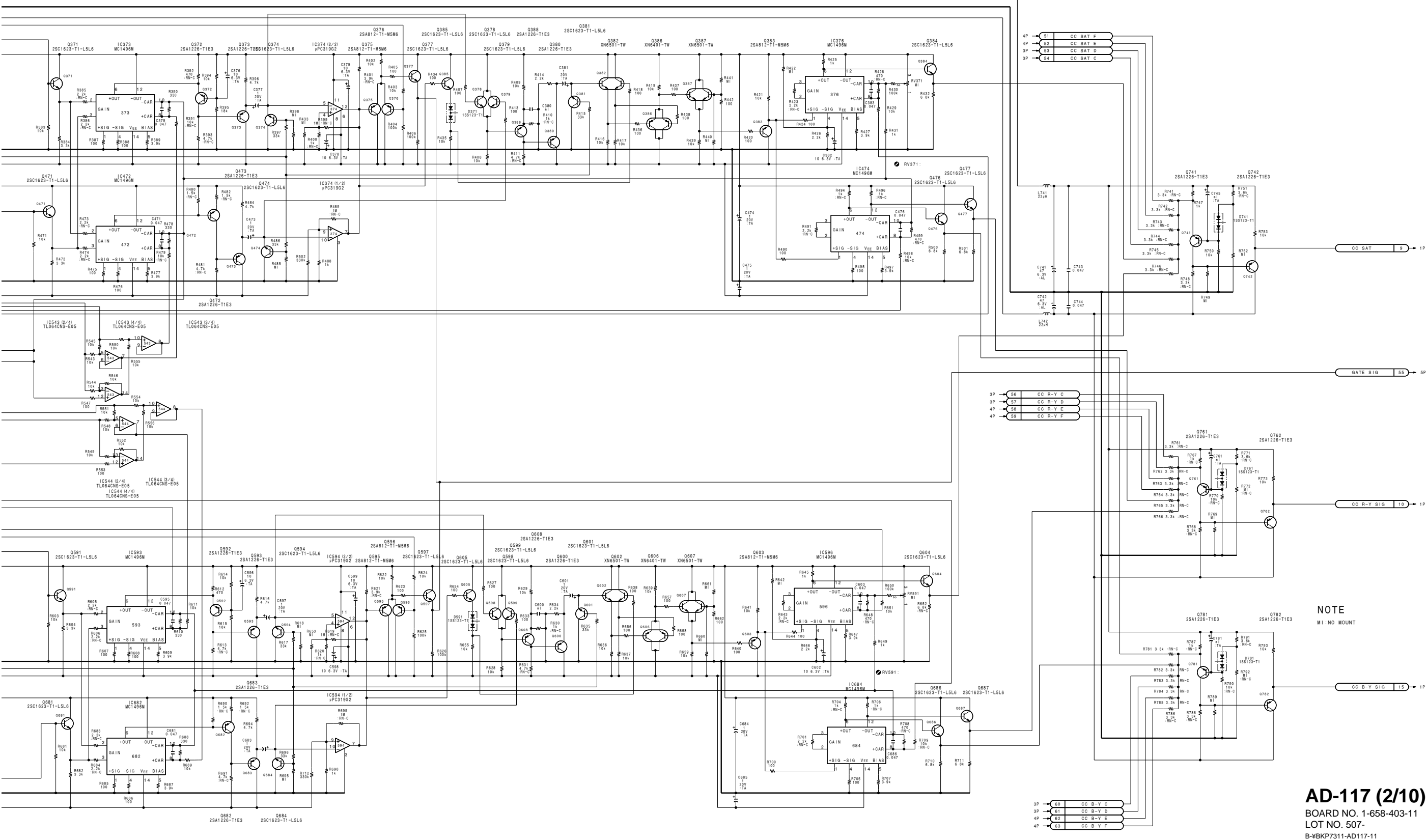
6-2 (a)





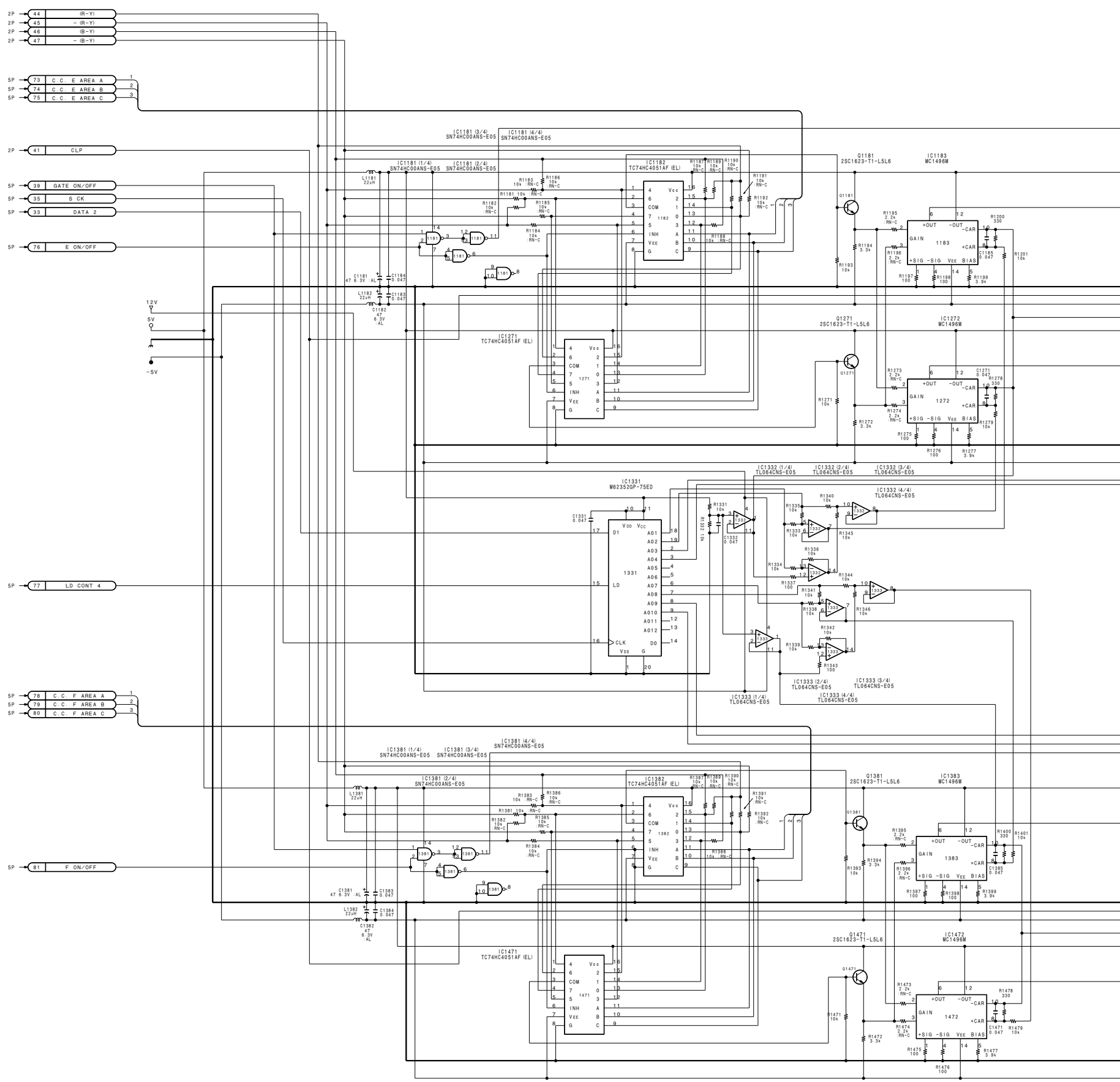
6-4 (a)

6-4 (a)





6-6 (a)

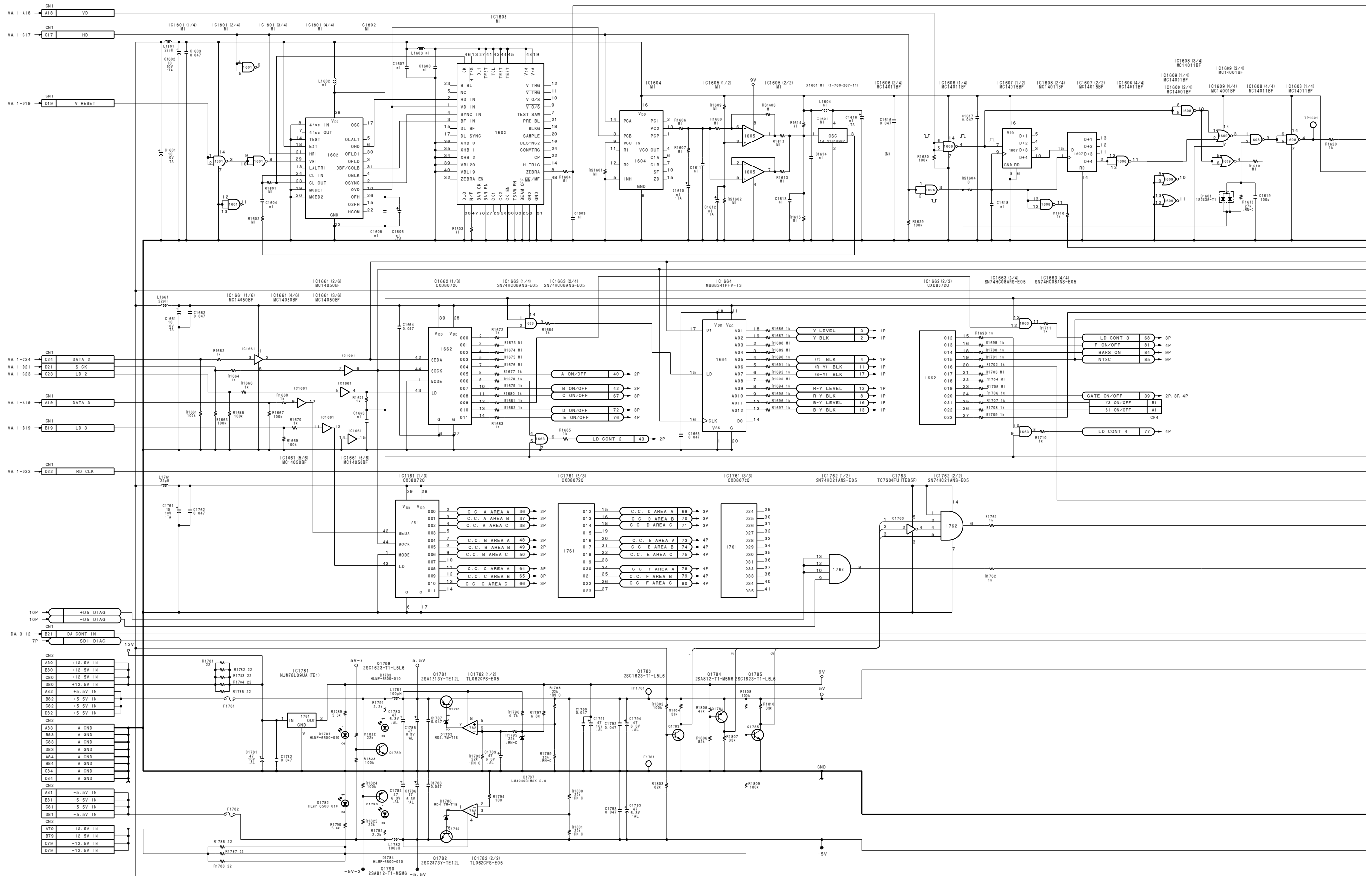


6-8 (a)

6-8 (a)



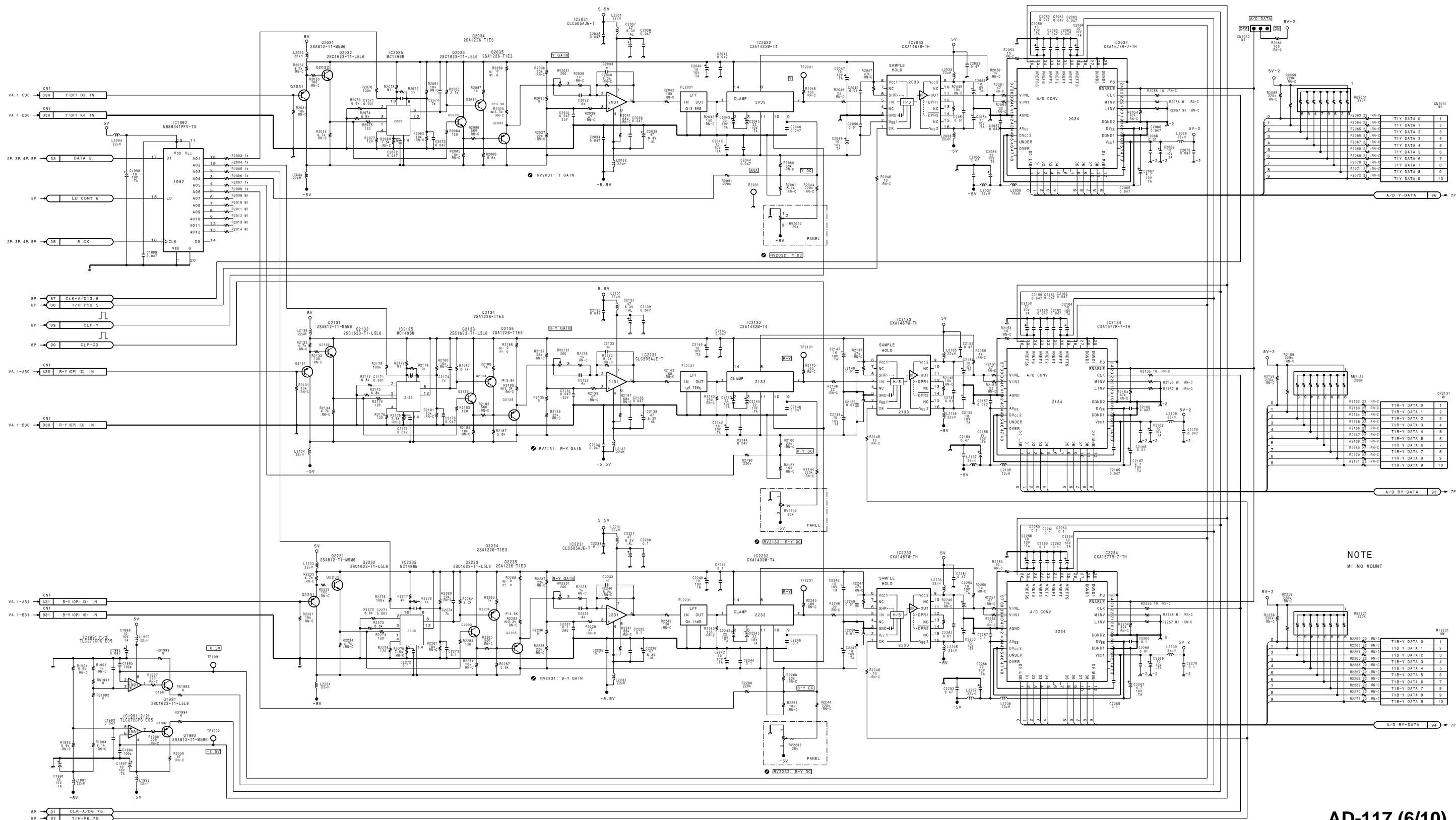
BOARD NO. 1-658-403-11
LOT NO. 507-
B-4BKP7311-AD117-11





AD-117 (5/10)
BOARD NO. 1-658-403-11
LOT NO. 507-
B-#BKP7311-AD117-11

5



NOTE

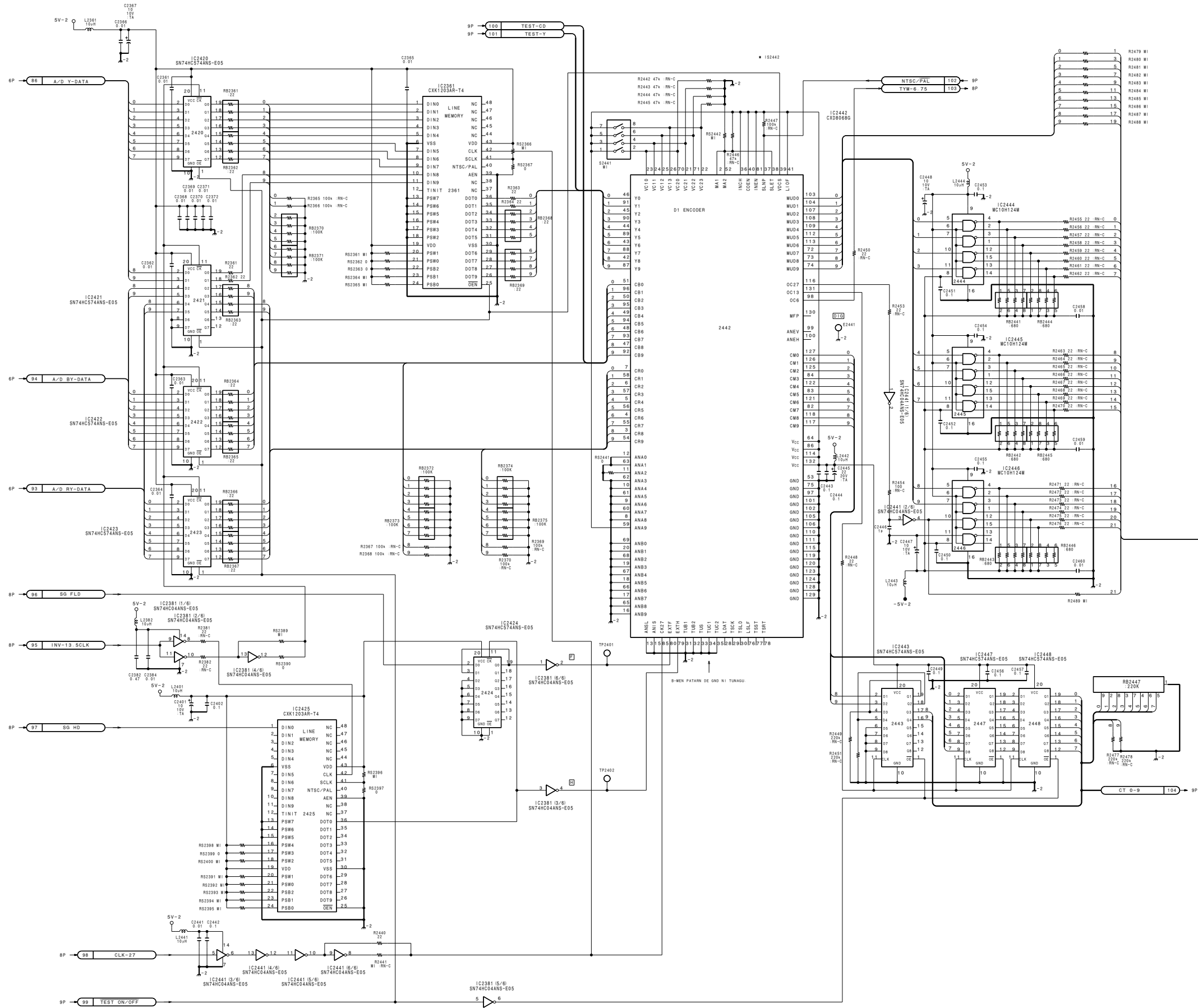
MI:NO MOUNT

AD-117 (6/10)

BOARD NO. 1-658-403-11

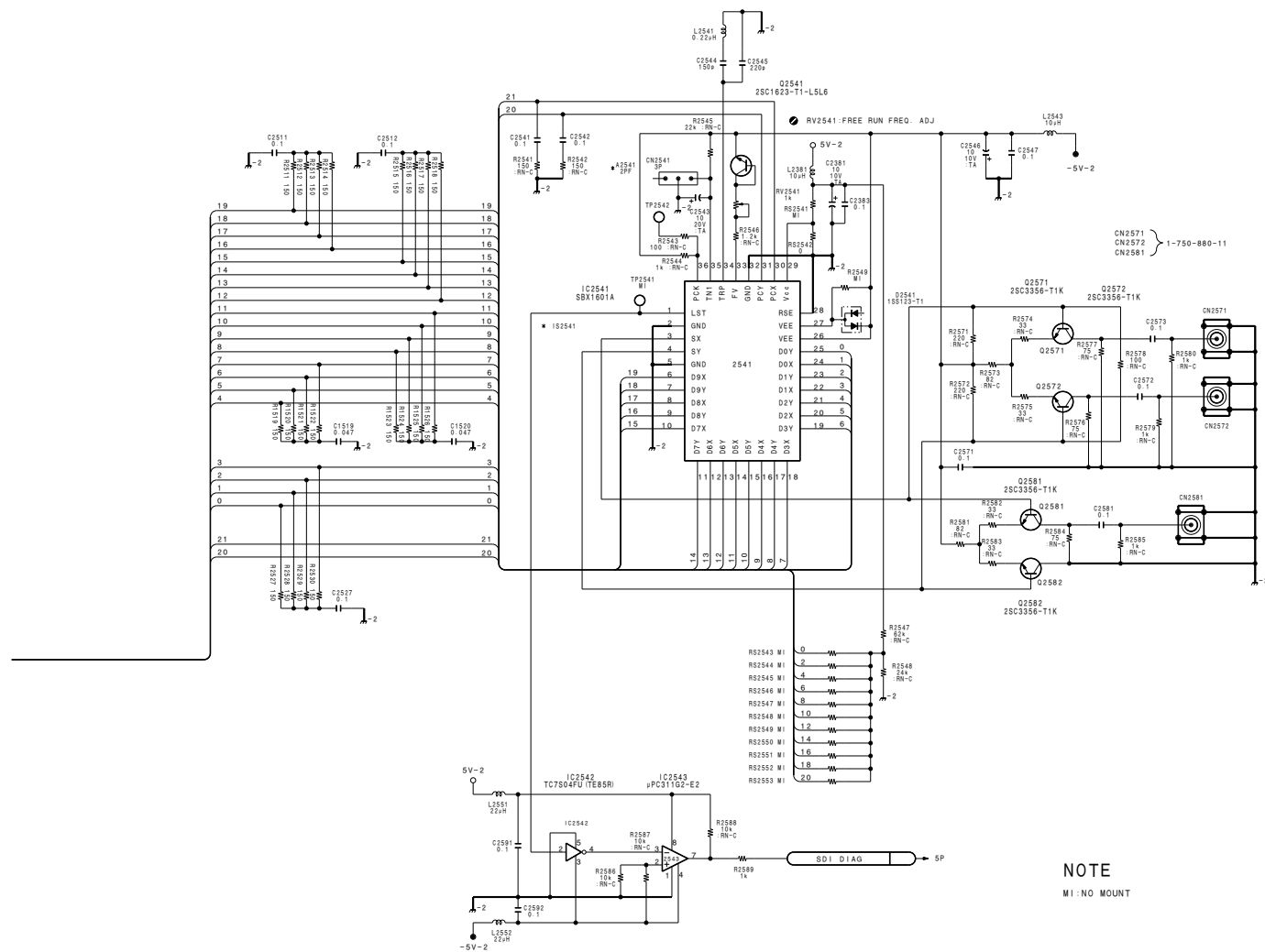
LOT NO. 507-

B-¥BKP7311-AD117-11



6-14 (a)

6-14 (a)



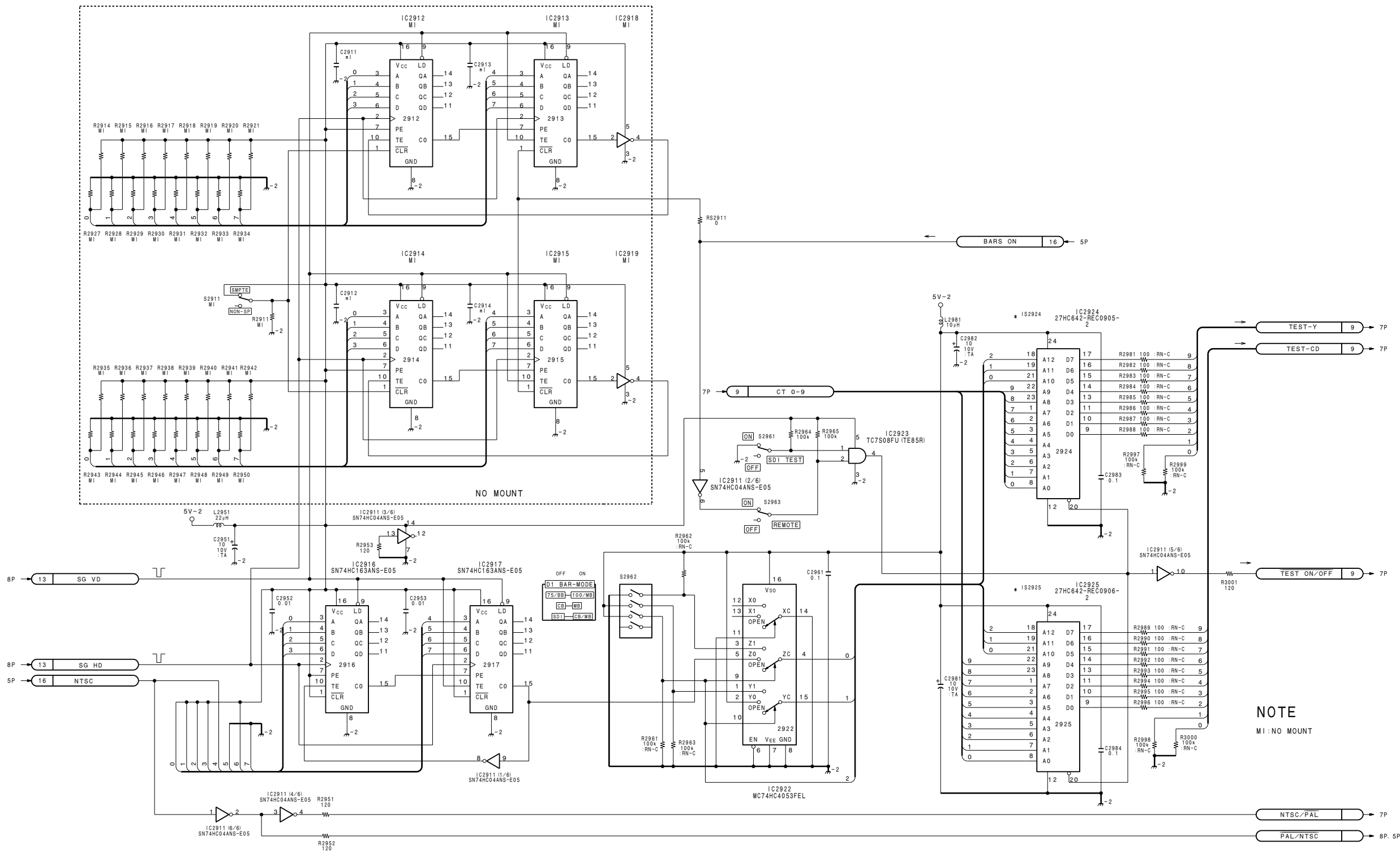
AD-117 (7/10)

BOARD NO. 1-658-403-11

LOT NO. 507-

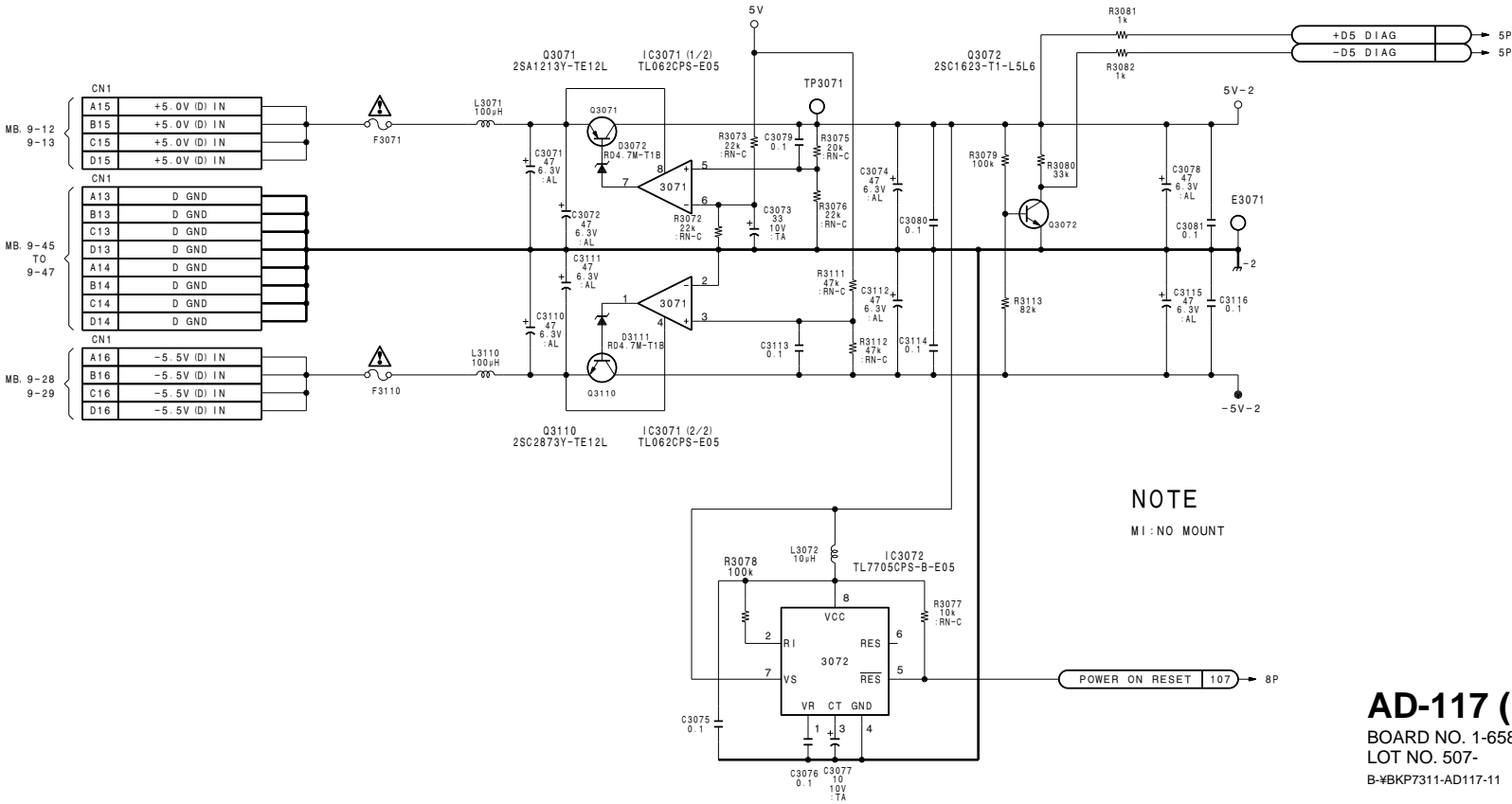
B-#BKP7311-AD117-11





NOTE
MI: NO MOUNT

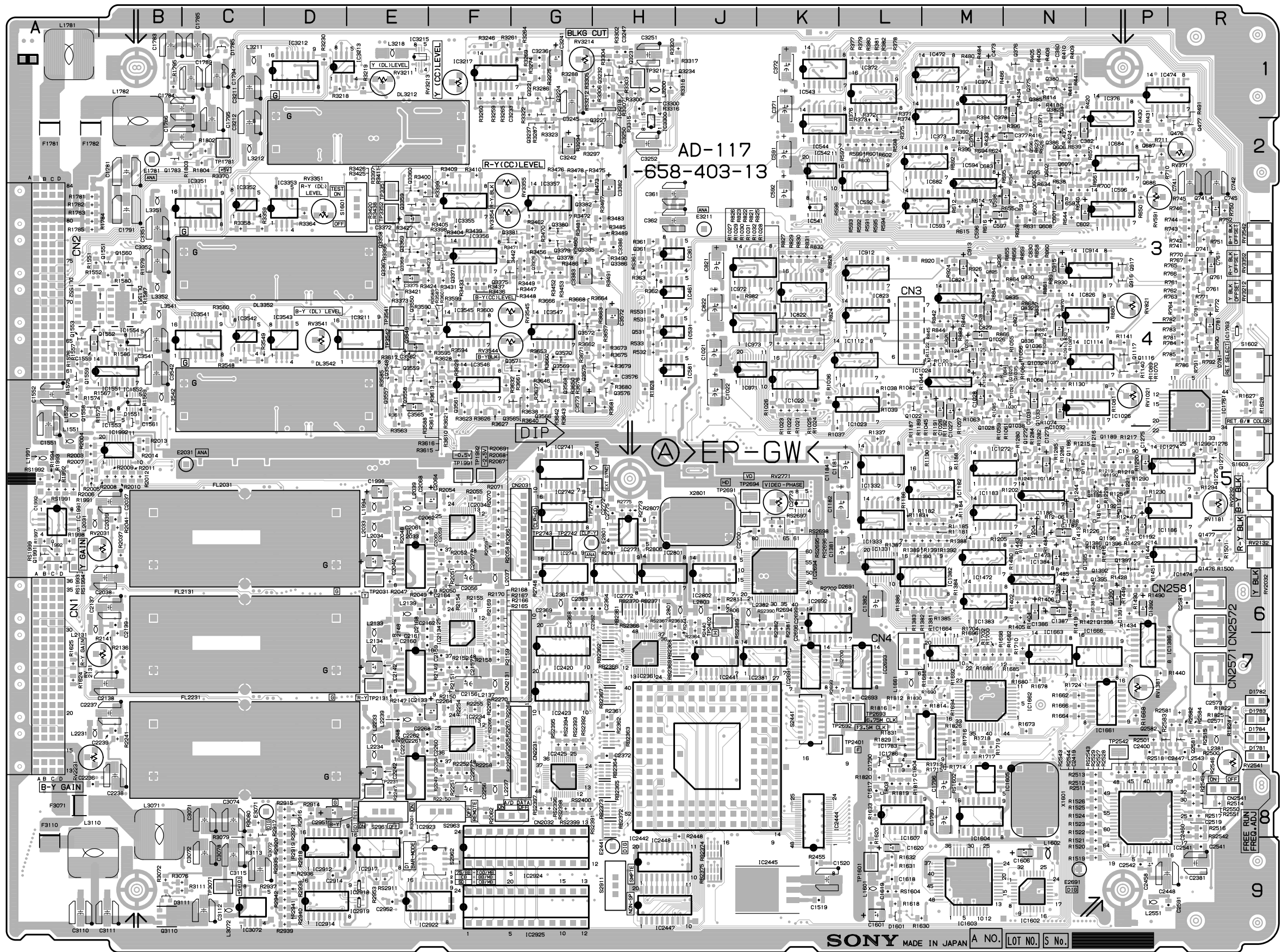
AD-117 (9/10)
BOARD NO. 1-658-403-11
LOT NO. 507-
B-WBK7311-AD117-11



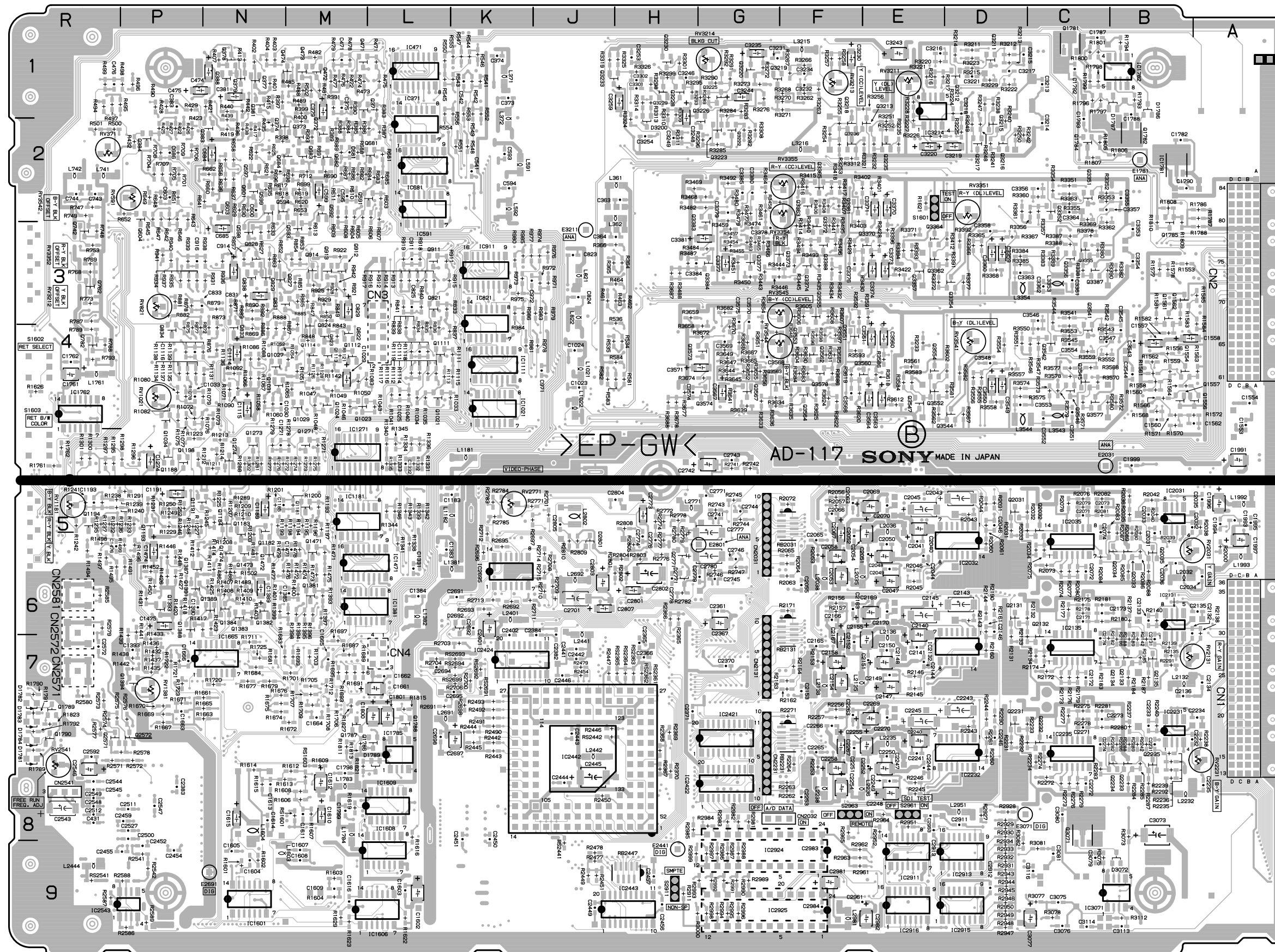
AD-117 (10/10)
BOARD NO. 1-658-403-11
LOT NO. 507-
B-WBKP7311-AD117-11

Section 7
Board Layout

AD-117 BOARD



AD-117 - A SIDE -
1-658-403-13



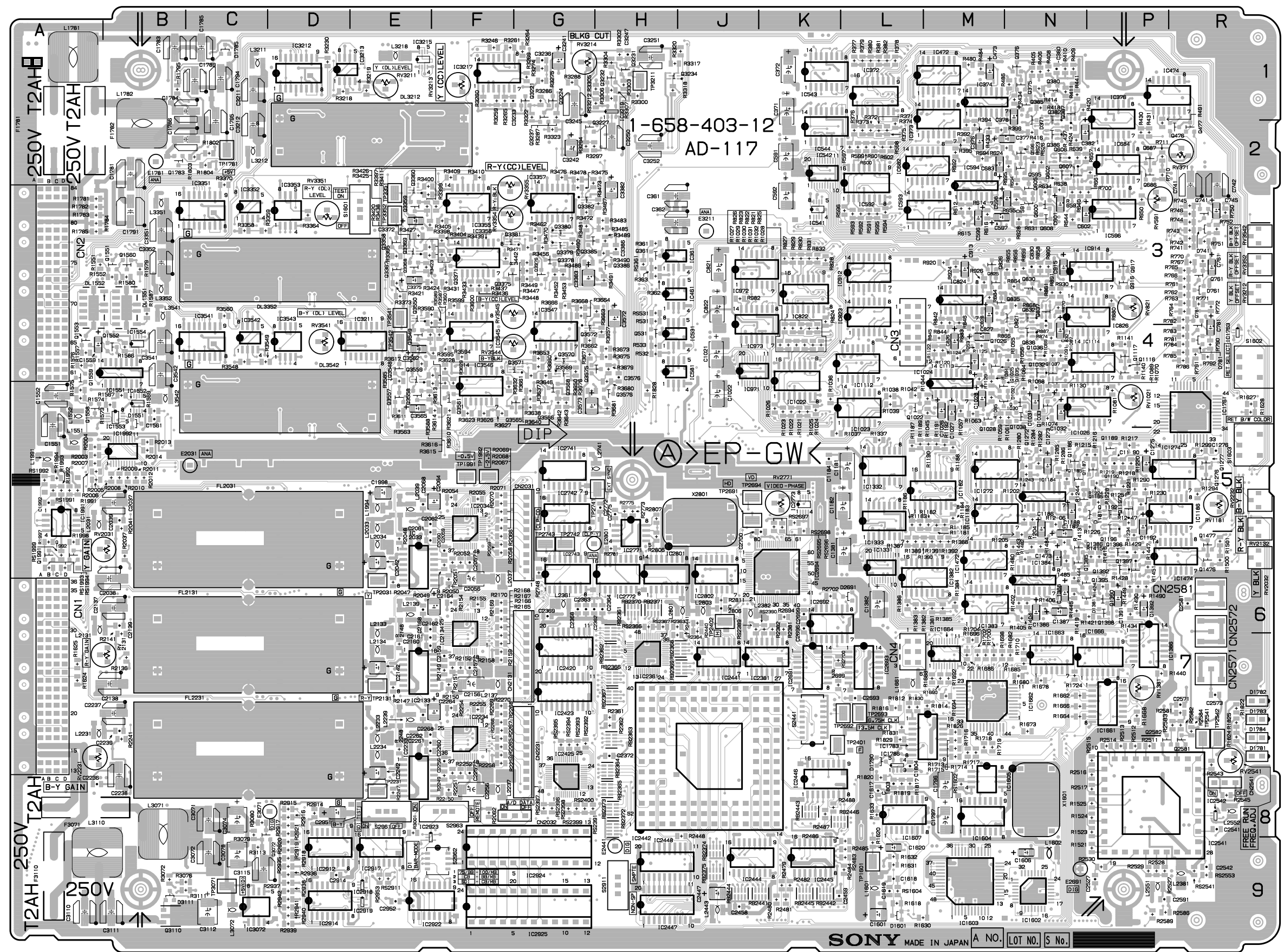
AD-117 - B SIDE -
1-658-403-13

AD-117(1-658-403-13)

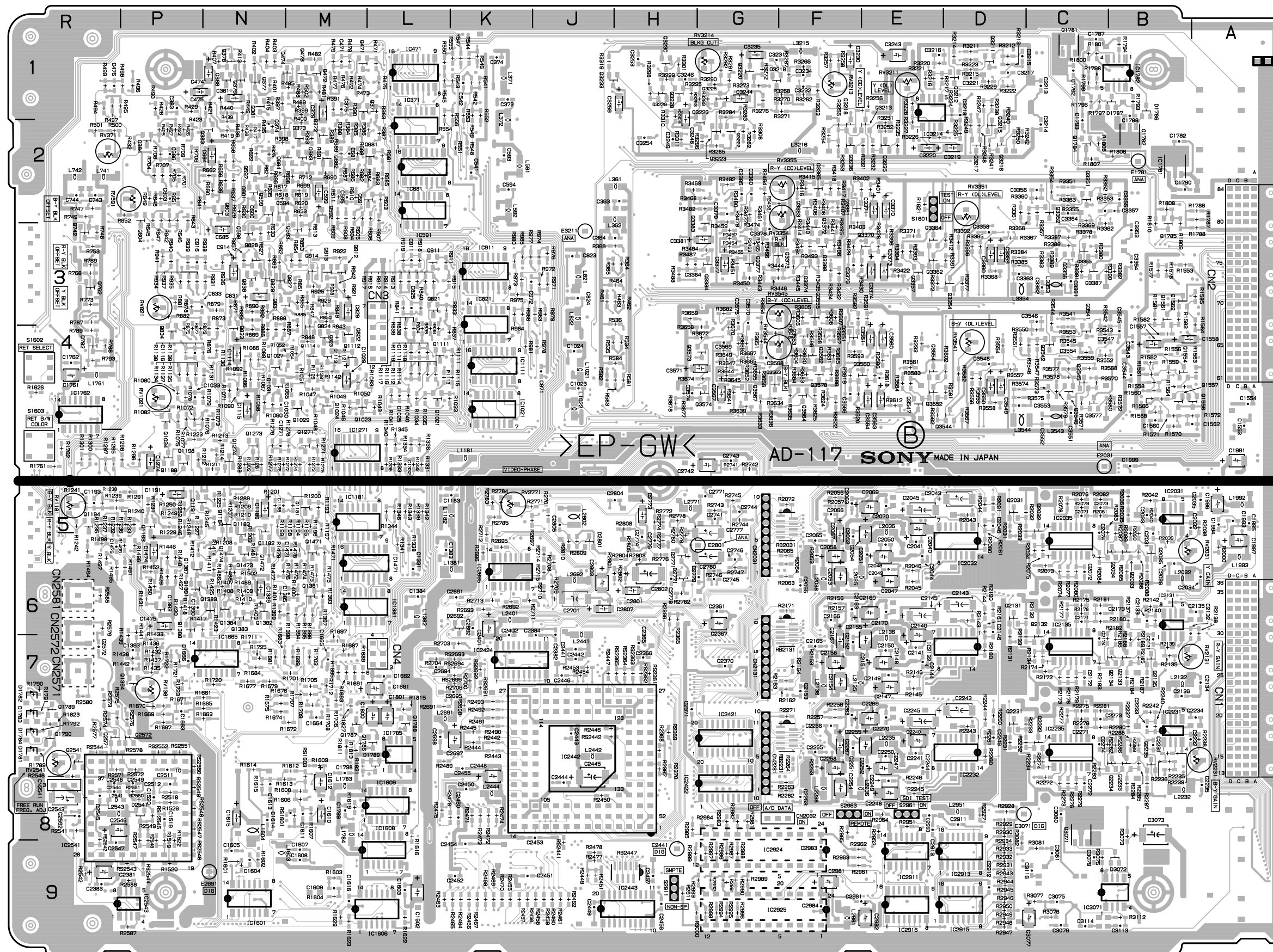
C361	H2	C1186	N5	C1801	*L7	C2168	E6	C2519	R8	C3231	*G1	CN2131	G7	IC1021	*K4	IC2741	G5	L2139	E6	Q684	*M2	Q1393	*P6	Q3361	*F2	R394	M2	R548	*K2	R690	*M2	R856	N3
C362	H3	C1187	N6	C1803	L8	C2169	*E6	C2527	*P8	C3232	*F1	CN2231	G8	IC1022	K4	IC2742	G5	L2231	A7	Q686	P2	Q1394	*P7	Q3362	*E3	R395	M2	R549	*K1	R691	*M2	R857	*N3
C363	*H2	C1188	N5	C1804	L8	C2170	*E6	C2541	R9	C3233	G1	CN2541	R8	IC1023	L4	IC2743	G6	L2232	*B8	Q687	P2	Q1395	P6	Q3363	*F2	R396	M2	R550	*L1	R692	M2	R858	N3
C364	*H3	C1189	*N5	C1991	*A5	C2171	*C6	C2542	P9	C3234	*F1	CN2571	R7	IC1024	M4	IC2771	H5	L2233	E8	Q741	R2	Q1396	P6	Q3364	*E3	R397	*N1	R551	*K2	R694	M2	R859	N3
C371	K1	C1190	P5	C1992	A5	C2172	*C7	C2543	*R8	C3235	*G1	CN2572	R6	IC1026	N4	IC2772	H6	L2234	E8	Q742	*R3	Q1397	P6	Q3365	*F2	R398	*N1	R552	*K1	R695	N2	R860	N3
C372	K1	C1191	*P5	C1993	*A5	C2173	*C6	C2544	*R8	C3236	G1	CN2581	R6	IC1111	*K4	IC2773	K5	L2235	*E8	Q761	R3	Q1398	P6	Q3367	E3	R399	*M1	R553	*K1	R696	*N2	R861	N3
C373	*K1	C1192	P5	C1994	*A5	C2174	*C7	C2545	*R8	C3241	G1			IC1112	L4	IC2801	H6	L2236	*F8	Q762	*R3	Q1471	*M6	Q3368	E3	R400	*M2	R554	*L1	R698	*M2	R863	*N3
C374	*K1	C1193	*R5	C1995	*A5	C2231	*B8	C2546	*R8	C3242	G2			IC1114	N4	IC2802	J6	L2237	F8	Q781	R4	Q1472	*N6	Q3369	E3	R401	*N1	R555	*K1	R699	*M2	R864	N3
C375	*M1	C1271	*N5	C1996	*A5	C2232	*B8	C2547	*P8	C3243	*E1	D591	N2	IC1181	*M6	IC2911	*E9	L2238	*F8	Q782	*R4	Q1473	*N6	Q3370	*E3	R402	*N1	R556	*K1	R700	P2	R865	*M3
C376	M2	C1273	N5	C1997	*A6	C2233	*B7	C2548	*R8	C3244	*G1	D741	R3	IC1182	L5	IC2912	D9	L2239	E7	Q821	*L3	Q1474	*N6	Q3371	F3	R403	*N1	R581	*H4	R701	*P2	R866	N4
C377	N2	C1274	*P5	C1998	E5	C2234	*A7	C2549	*R8	C3245	G1	D761	R3	IC1183	M5	IC2913	*E9	L2361	G6	Q822	*M4	Q1476	R6	Q3372	*F3	R404	*N1	R582	*J4	R704	*P2	R867	*N4
C378	N1	C1275	P5	C1999	*B5	C2235	*A8	C2571	R7	C3246	*H1	D781	R4	IC1184	N5	IC2914	D9	L2381	R8	Q823	*M4	Q1477	R6	Q3373	*G3	R405	N1	R583	*H4	R705	*P2	R868	N3
C379	*M1	C1276	R5	C2031	*B6	C2236	A8	C2572	*R7	C3247	H1	D821	N3	IC1186	P5	IC2915	*E9	L2382	J6	Q824	*M4	Q1551	B3	Q3374	*F3	R406	N1	R584	*H4	R706	*P2	R869	*N4
C380	N1	C1331	*L6	C2032	*B5	C2237	B7	C2573	R7	C3248	*H1	D1021	N4	IC1271	*M5	IC2916	*E9	L2401	*K6	Q825	M3	Q1552	B4	Q3375	F3	R407	*N1	R591	L2	R707	*P2	R870	N3
C381	*N1	C1332	*L5	C2033	*B5	C2238	B8	C2581	R6	C3249	*H2	D1181	P5	IC2172	M5	IC2917	E9	L2441	*J7	Q826	M3	Q1553	A4	Q3376	G3	R408	N1	R592	L2	R708	*P2	R871	*N3
C382	N2	C1381	L6	C2034	*A6	C2239	B7	C2591	R9	C3250	H2	D1381	P6	IC1274	P5	IC2918	E9	L2442	*J8	Q827	*N3	Q1554	*B4	Q3377	*G3	R409	N1	R593	L2	R709	*P2	R872	*P4
C383	*P1	C1382	L6	C2035	*A5	C2240	*E8	C2592	*R8	C3251	H1	D1551	B4	IC1331	L6	IC2919	E9	L2444	*R9	Q828	*N3	Q1556	*A4	Q3378	G3	R410	N1	R594	L2	R710	P2	R873	*N4
C431	*R8	C1383	*L6	C2036	*B6	C2241	*E8	C2691	*K6	C3252	H2	D1601	L9	IC1332	L5	IC2922	E9	L2543	R8	Q829	*N3	Q1557	*B4	Q3379	G3	R411	N1	R595	L2	R711	P2	R874	N4
C471	*M1	C1384	*L6	C2037	B5	C2242	E8	C2692	*K6	C3253	*H1	D1781	R8	IC1333	L6	IC2923	F9	L2551	P9	Q830	N3	Q1558	A4	Q3380	G3	R413	*N1	R596	L2	R712	*M2	R875	*P4
C473	M1	C1385	*M6	C2038	B6	C2243	*D7	C2693	L7	C3254	*H2	D1782	R7	IC1381	*M6	IC2924	F9	L2691	*L7	Q831	*N3	Q1559	A4	Q3381	F3	R414	N1	R597	L2	R741	R3	R876	*N4
C474	*N1	C1386	N6	C2039	B5	C2244	*E8	C2694	*L7	C3259	*H1	D1783	R7	IC1382	L6	IC2925	F9	L2692	*J6	Q832	N3	Q1560	B3	Q3382	G2	R415	*N1	R598	L2	R742	R3	R877	*P4
C475	*P1	C1387	N6	C2040	*E5	C2245	*E7	C2695	*K7	C3300	H1	D1784	R8	IC1383	M6	IC3071	*C9	L2741	H5	Q833	*N4	Q1561	*B3	Q3383	*G3	R416	N2	R599	L2	R743	R3	R878	*P3
C476	*R1	C1388	N6	C2041	*E6	C2246	*D8	C2696	K6	C3301	*H1	D1785	C1	IC1384	N6	IC3072	C9	L2771	*H5	Q834	*P4	Q1562	*B3	Q3384	*G3	R417	*N2	R600	L2	R744	R2	R879	*N3
C541	*K2	C1389	*N6	C2042	*E6	C2247	*E8	C2697	*K8	C3302	*H1	D1786	*B1	IC1386	P6	IC3211	D4	L2801	J6	Q835	M3	Q1781	*C1	Q3385	G3	R418	N1	R601	L2	R745	R2	R880	P3
C542	*K1	C1390	*P6	C2043	*D5	C2248	*E8	C2698	*L7	C3351	B3	D1787	*B1	IC1471	*M6	IC3212	D1	L2802	*J5	Q836	N4	Q1782	*B2	Q3386	H3	R419	*N2	R602	L2	R746	R2	R881	*P3
C591	K2	C1391	P6	C2044	*E6	C2249	*E8	C2699	K6	C3352	B3	D1789	*L8	IC1472	M6	IC3213	D1	L2803	J6	Q837	N3	Q1783	B2	Q3387	*C3	R420	N1	R603	*L2	R747	*R2	R882	*P3
C592	K2	C1392	P6	C2045	*E5	C2250	*E8	C2700	K6	C3353	*B3	D1790	L8	IC1474	P6	IC3214	*E2	L2951	*D8	Q838	*N3	Q1784	*C2	Q3388	*F3	R421	*N1	R604	*M2	R748	*R3	R883	M3
C593	*K2	C1393	*P7	C2046	*D5	C2251	*F8	C2701	*J6	C3354	*B3	D2691	L6	IC1551	B4	IC3215	E1	L2981	*F9	Q911	*L3	Q1785	*B3	Q3541	*C4	R422	*P2	R605	*M2	R749	*R2	R884	M3
C594	*K2	C1471	*M6	C2047	*E6	C2252	*E8	C2741	*G5	C3355	*B2	D2692	*K6	IC1552	B4	IC3217	F1	L3071	B8	Q912	*M3	Q1786	*L8	Q3542	*C4	R423	*P2	R606	*L2	R750	R2	R885	*M4
C595	*M2	C1473	N6	C2048	*E6	C2253	*F8	C2742	*G5	C3356	*C2	D2771	*H6	IC1553	B4	IC3219	H1	L3072	C9	Q913	*M3	Q1787	*M7	Q3544	*D4	R424	N2	R607	*L2	R751	R3	R886	*N4
C596	M2	C1474	*P6	C2049	*E6	C2254	*F8	C2743	*G5	C3357	*C2	D2801	*J6	IC1554	B4	IC3300	H2	L3110	A9	Q914	*M3	Q1788	*L7	Q3545	*C4	R425	*P2	R608	*M2	R752	R3	R887	N4
C597	M2	C1475	*P6	C2050	*E6	C2255	*E8	C2744	*G5	C3358	*D3	D3072	*B9	IC1601	*N9	IC3351	B3	L3200	H1	Q916	F3	Q1789	*R7	Q3546	*C4	R426	*P2	R609	*M2	R753	*R3	R888	*N4
C598	N2	C1476	*R6	C2051	*E6	C2256	F8	C2745	*G6	C3359	*D3	D3111	B9	IC1602	N9	IC3352	C2	L3211	C1	Q917	P3	Q1790	*R8	Q3547	*E4	R427	*P2	R610	*M2	R761	R3	R889	*N3
C599	*M2	C1519	K9	C2052	*F6	C2257	F8	C2746	*G6	C3360	*D3	D3200	*H2	IC1603	M9	IC3353	D3	L3212	C2	Q1021	*L4	Q1991	A6	Q3548	E4	R428	*P1	R611	*M2	R762	R3	R890	*N3
C600	*N2	C1520	K9	C2053	*F6	C2258	*F8	C2771	*G5	C3361	*C3	DL1551	B3	IC1604	M8	IC3355	F2	L3215	*F1	Q1022	L4	Q1992	A6	Q3549	E4	R429	*P1	R612	M2	R763	R3	R891	N3
C601	N2	C1551	A4	C2054	*E6	C2259	F8	C2772	H5	C3362	*C3	DL1552	A3	IC1605	M8	IC3356	F3	L3216	*F2	Q1023	*M4	Q2031	*D5	Q3550	E3	R430	P2	R613	*M3	R764	R3	R892	*N3
C602	P2	C1552	A4	C2055	*F6	C2260	E8	C2773	*H5	C3363	*D3	DL1552	A3	IC1606	*M9	IC3357	G2	L3218	E1	Q1024	*M4	Q2032	*C5	Q3551	*F4	R431	P2	R614	M2	R765	R3	R911	*L3
C603	*P2	C1553	*A4	C2056	F6	C2261	E8	C2774	*H6	C3364	*C2	DL3212	E2	IC1607	L8	IC3541	B4	L3351	B2	Q1025	M4	Q2033	*B6	Q3552	*E4	R432	*P2	R615	M3	R766	R3	R912	*L3
C681	*M2	C1554	*A4	C2057	F6	C2262	E7	C2775	H5	C3370	*E2	DL3352	D3	IC1608	*L9	IC3542	C4	L3352	B3	Q1026	M4	Q2034	*B6	Q3553	*F4	R433	M2	R616	M2	R767	R3	R913	*L3
C683	M2	C1557	*B4	C2058	*F6	C2263	*F7	C2776	*H6	C3371	*E2	DL3542	D4	IC1609	*L8	IC3543	D4	L3353	*C3	Q1027	*N4	Q2035	*B6	Q3554	*E4	R434	N1	R617	*N2	R768	*R3	R914	*L3
C684	*N2	C1558	*B4	C2059	F6	C2264	F7	C2777	*G6	C3372	E2			IC1661	P7	IC3545	F4	L3354	*D3	Q1028	M4	Q2131	*D6	Q3555	*F3	R435	*N2	R618	*N2	R769	*R3	R915	*L3
C685	*N3	C1559	A4	C2060	E6	C2265	*F8	C2778	*H6	C3373	*E3	E1781	B2	IC1662	M7	IC3546	F4	L3541	B3	Q1029	*M4	Q2132	*C7	Q3557	E4	R436	*N2	R619	*M2	R770	R3	R916	*L3
C686	*P2	C1560	*B4	C2061	E6	C2266	*F7	C2779	*G6	C3374	*E3	E2031	C5	IC1663	N7	IC3547	G4	L3542	B4	Q1030	N4	Q2133	*B7	Q3558	E4	R437	N2	R620	*M2	R771	R3	R917	*L3
C741	R2	C1561	B4	C2062	E5	C2267	*F8	C2780	*G6	C3375	E3	E2441	H9	IC1664	M7			L3543	*C4	Q1031	*N4	Q2134	*B7	Q3559	E4	R438	*N2	R621	*N2	R772	R3	R918	*L3
C742	R2	C1562	*B4	C2063	*F5	C2268	E7	C2801	*H6	C3376	*F3	E2691	N9	IC1665	*P7	L361	*H2	L3544	*D4	Q1032	N4	Q2135	*B7	Q3560	*E4	R439	*N2	R622	*N2	R773	*R3	R919	*L3
C743	*R2	C1601	L9	C2064	F5	C2269	*E7	C2802	*H6	C3377	*G3	E2801	H6	IC1666	N7	L362	*J2			Q1033	N4	Q2231	*D7	Q3561	F4	R440	*N1	R623	N2	R781	R4	R920	M3

R1034	*L4	R1188	M5	R1332	*L5	R1478	*M6	R1662	N7	R1808	*B2	R2082	*C5	R2254	F7	R2571	*R8	R2935	D9	R3254	*F2	R3380	*C3	R3476	G2	R3620	*F4	RS1602	M8	TP2693	L7
R1035	*L4	R1189	L5	R1333	*L5	R1479	*N6	R1663	*P7	R1809	*B3	R2083	*C6	R2255	F7	R2572	*P8	R2936	D9	R3255	*F2	R3381	*C3	R3477	*G2	R3621	F4	RS1603	*M8	TP2694	J5
R1036	K4	R1190	M5	R1334	*L5	R1480	N6	R1664	N7	R1810	*B3	R2084	*C6	R2256	*F7	R2573	*R7	R2937	D9	R3256	*F1	R3382	*B3	R3478	G2	R3622	*F4	RS1604	L9	TP2741	H5
R1037	K5	R1191	M5	R1335	*L5	R1481	*N6	R1665	*P7	R1811	*M8	R2085	*B6	R2257	*F7	R2574	*R7	R2938	D9	R3257	*F1	R3383	*C3	R3479	*G2	R3623	F4	RS1991	A5	TP2742	G6
R1038	L4	R1192	M5	R1336	*L5	R1482	N6	R1666	N7	R1812	L7	R2086	*B6	R2258	F8	R2575	*R7	R2939	D9	R3258	*F1	R3384	*D3	R3480	*G2	R3624	*F4	RS1992	A5	TP2743	G6
R1039	L4	R1193	*M5	R1337	L5	R1484	N6	R1667	*P7	R1813	*M8	R2087	*B6	R2259	F8	R2576	*P7	R2940	D9	R3259	F1	R3385	*D3	R3481	G3	R3625	*F4	RS1993	A6	TP3071	C9
R1040	*L4	R1194	*M5	R1338	*L6	R1485	N6	R1668	P7	R1814	M7	R2088	*B6	R2260	*D8	R2577	*R7	R2941	D9	R3260	F1	R3387	*C3	R3482	*G2	R3626	F4	RS1994	A6	TP3211	H1
R1041	*L4	R1195	*M5	R1339	*L5	R1486	*N6	R1669	*P7	R1815	*L7	R2089	*B6	R2261	*D8	R2578	*R8	R2942	D9	R3261	F1	R3388	*C3	R3483	H2	R3627	F4	RS1999	A6	TP3351	E2
R1042	L4	R1196	*M5	R1340	*L5	R1488	*N6	R1670	*P7	R1816	L7	R2090	*B6	R2262	*F8	R2579	*R6	R2943	*D9	R3262	*F1	R3389	*C3	R3484	*G3	R3628	F4	RS2361	*H7	TP3352	E2
R1043	*L4	R1197	*M5	R1341	*L6	R1489	*N6	R1671	*P7	R1817	L8	R2091	*D5	R2263	*F8	R2580	*R7	R2944	*D9	R3263	*F1	R3390	*C3	R3485	H3	R3629	F4	RS2362	*H7	TP3541	E3
R1044	M4	R1198	*N5	R1342	*L5	R1490	P6	R1672	*M7	R1819	L8	R2131	*D7	R2264	*F8	R2581	R7	R2945	*D9	R3264	G1	R3391	*D3	R3486	G3	R3630	*F4	RS2363	*H7	TP3542	E4
R1045	M4	R1199	*N5	R1343	*L5	R1491	*P6	R1673	N7	R1820	L8	R2132	*D6	R2265	F8	R2582	R7	R2946	*D9	R3265	F1	R3392	*D3	R3487	*H3	R3631	*F4	RS2364	*H7		
R1046	*M4	R1200	*M5	R1344	*L5	R1494	*R6	R1674	*N7	R1821	*M8	R2133	*D7	R2266	F8	R2583	R7	R2947	*D9	R3266	*F1	R3393	*E3	R3488	*H3	R3632	F4	RS2365	*H7	X1601	N8
R1047	*M4	R1201	*N5	R1345	*L5	R1495	*R6	R1675	*N7	R1822	R7	R2134	*C7	R2267	F7	R2584	R7	R2948	*D9	R3267	*F1	R3394	*E3	R3489	H3	R3633	*G4	RS2366	H6	X2801	J5
R1048	*M4	R1202	N5	R1346	*L5	R1496	*P6	R1676	*N7	R1823	*R7	R2135	*B7	R2268	F7	R2585	*R6	R2949	*D9	R3268	*F1	R3395	E3	R3490	H3	R3634	*G4	RS2367	H6		
R1049	*M4	R1203	*N6	R1381	M6	R1497	*R6	R1677	*N7	R1824	R8	R2136	B7	R2269	F7	R2586	*P9	R2950	*D9	R3269	G1	R3396	*E3	R3491	H3	R3635	*F4	RS2389	J6		
R1050	*M4	R1204	N5	R1382	M6	R1498	*R6	R1678	N7	R1825	R7	R2137	*B6	R2270	F7	R2587	*R9	R2951	*E8	R3270	*F1	R3397	E2	R3492	*G2	R3636	*G4	RS2390	K6		
R1051	*M4	R1205	N6	R1383	L6	R1499	*P6	R1679	*N7	R1826	M7	R2138	*A6	R2271	*F7	R2588	*P9	R2952	*E8	R3271	*F1	R3398	E3	R3493	*F3	R3637	G4	RS2391	G8		
R1052	*M4	R1206	N5	R1384	M6	R1500	R6	R1680	N7	R1827	*M7	R2139	*B7	R2272	*C8	R2589	*P9	R2953	E9	R3272	*G1	R3399	E2	R3494	*F3	R3638	G4	RS2392	G8		
R1053	M4	R1207	*N5	R1385	M6	R1501	R6	R1681	*N7	R1828	H4	R2140	*B6	R2273	*C8	R2691	*L7	R2961	*F9	R3273	*G1	R3400	E2	R3495	*F3	R3639	*G4	RS2393	G8		
R1054	*M4	R1208	*N6	R1386	L6	R1502	*N6	R1682	N7	R1829	L8	R2141	B7	R2274	*C8	R2692	*K6	R2962	*F9	R3274	G1	R3401	*E2	R3496	*F3	R3640	G4	RS2394	G8		
R1055	N4	R1209	*N5	R1387	L6	R1519	P9	R1683	*N7	R1830	L7	R2142	*B7	R2275	*C7	R2693	*K6	R2963	*F9	R3275	G1	R3402	*F2	R3541	*C3	R3641	*G4	RS2395	G8		
R1056	N4	R1210	*N5	R1388	M6	R1520	P9	R1684	*N7	R1831	L7	R2143	*D6	R2276	*C8	R2694	K6	R2964	*E8	R3276	*G1	R3403	*F3	R3542	*C4	R3642	G4	RS2396	G8		
R1057	M4	R1211	*N5	R1389	L6	R1521	P9	R1685	N7	R1991	A5	R2144	*D6	R2277	*C7	R2695	*K6	R2965	*F8	R3282	*G2	R3404	F3	R3543	*C4	R3643	G4	RS2397	G8		
R1058	*N4	R1212	*P5	R1390	M6	R1522	P8	R1686	M7	R1992	A5	R2145	*E7	R2278	*C7	R2696	*K6	R2981	*G8	R3283	*G1	R3405	F2	R3544	*C3	R3644	*G4	RS2398	G8		
R1059	M4	R1213	*N5	R1391	M6	R1523	P8	R1687	*M7	R1993	A5	R2146	*E7	R2279	*C8	R2697	*K5	R2982	*G8	R3284	*G1	R3406	*F2	R3545	*C4	R3645	*G4	RS2399	G8		
R1060	*M4	R1214	*N5	R1392	M6	R1524	P8	R1688	M7	R1994	A5	R2147	E7	R2280	*C7	R2698	*K7	R2983	*G8	R3285	*G2	R3407	*F2	R3546	*C4	R3646	G4	RS2400	G8		
R1061	N4	R1215	P5	R1393	*M6	R1525	P8	R1689	*M7	R1997	A6	R2148	E7	R2281	*C7	R2699	K7	R2984	*G8	R3286	G1	R3408	*F2	R3547	*C4	R3647	*G4	RS2441	*J9		
R1063	M4	R1216	P5	R1394	*M6	R1526	P8	R1690	M7	R1998	A6	R2149	F7	R2282	*C8	R2700	*K7	R2985	*H8	R3287	G1	R3409	F2	R3548	*C4	R3648	*G4	RS2442	*J7		
R1064	N4	R1217	P5	R1395	*M6	R1551	A3	R1691	*M7	R2000	*A6	R2150	F7	R2283	*C8	R2701	*J5	R2986	*G9	R3288	G1	R3410	F2	R3549	*C4	R3649	*G4	RS2541	*R9		
R1065	*M4	R1218	P5	R1396	*M6	R1552	B3	R1692	M7	R2003	A5	R2151	F7	R2284	*B8	R2702	K6	R2987	*G9	R3289	*G1	R3411	F2	R3550	*C4	R3650	G4	RS2542	R8		
R1066	*N4	R1219	P5	R1397	*M6	R1553	*B3	R1693	*M7	R2004	A5	R2152	F7	R2285	*B8	R2703	*K7	R2988	*G9	R3290	*G1	R3412	*D3	R3551	*D4	R3651	*G4	RS2543	P8		
R1067	*N4	R1220	P5	R1398	*M6	R1556	*B4	R1694	M7	R2005	A5	R2153	*F7	R2286	*B8	R2704	*L7	R2989	*G9	R3291	*G1	R3414	*F3	R3552	*C4	R3652	*G4	RS2691	*K7		
R1068	N4	R1221	P5	R1399	*N6	R1557	A4	R1695	*M7	R2006	A5	R2154	F6	R2287	*B8	R2706	*K7	R2990	*G9	R3292	*G1	R3415	*F2	R3553	*C4	R3653	G4	RS2692	*K7		
R1069	N4	R1223	*P5	R1400	*M6	R1558	*B4	R1696	M7	R2007	A5	R2155	F6	R2288	*B8	R2708	*J6	R2991	*G9	R3293	*G1	R3416	*F2	R3554	*D4	R3654	*G3	RS2693	*K7		
R1070	N4	R1224	P5	R1401	*N6	R1559	*B4	R1697	*M7	R2008	B5	R2156	*F6	R2289	*B8	R2709	*J6	R2992	*G9	R3294	G2	R3417	*F2	R3555	*D4	R3655	*G4	RS2694	*K7		
R1071	*N4	R1225	*N5	R1402	N6	R1560	*B4	R1698	M7	R2009	B5	R2157	*F6	R2290	*D7	R2710	*J6	R2993	*G9	R3295	*H1	R3418	*F2	R3556	*D4	R3656	*G4	RS2695	K5		
R1072	*P4	R1226	P5	R1403	*N6	R1561	*B4	R1699	*M7	R2010	B5	R2158	F7	R2291	*B7	R2711	*K6	R2994	*G9	R3296	*G2	R3420	F3	R3557	*D4	R3657	H4	RS2696	K5		
R1073	*N4	R1227	*P5	R1404	N6	R1562	*B4	R1700	M7	R2011	B5	R2159	F7	R2292	*B8	R2712	*K6	R2995	*G9	R3297	H2	R3421	E3	R3558	*D4	R3658	*G4	RS2697	K5		
R1074	N4	R1228	P5	R1405	N6	R1563	*A4	R1701	*M7	R2012	B5	R2160	*D7	R2361	H7	R2713	*K6	R2996	*G9	R3298	*H1	R3422	*E3	R3559	*C4	R3659	*H3	RS2698	K6		
R1075	*P4	R1229	*P5	R1406	N6	R1564	*B4	R1702	M7	R2013	B5	R2161	*D6	R2362	H7	R2714	*J6	R2997	*G9	R3299	*H1	R3423	E3	R3560	C3	R3660	G4	RS2699	*K7		
R1076	*P4	R1230	P5	R1407	*N6	R1566	*B4	R1703	*M7	R2014	B5	R2162	*F7	R2363	J6	R2715	*J6	R2998	*G9	R3300	H1	R3424	F3	R3561	*E4	R3661	G4	RS2700	K7		
R1077	*P4	R1231	*P5	R1408	*N6	R1567	B4	R1704	M7	R2031	*D5	R2163	*F7	R2364	J7	R2741	*G5	R2999	*H9	R3301	*H1	R3425	E3	R3562	*E4	R3662	G4	RS2911	E9		
R1078	*P4	R1232	*R5	R1409	*N6	R1568	*B4	R1705	*M7	R2032	*D5	R2164	*F7	R2365	*H6	R2742	*G5	R3000	*H9	R3302	H1	R3426	E3	R3563	E4	R3663	H3				
R1079	*P4	R1233	*P5	R1410	*N6	R1569	B4	R1706	*M7	R2033	*D5	R2165	F7	R2366	*H6	R2743	*G5	R3001	E8	R3303	H1	R3427	E3	R3567	*D4	R3664	G3				
R1080	*P4	R1234	P6	R1411	*N6	R1570	*B4	R1707	*M7	R2034	*C6	R2166	F7	R2367	*H8	R2744	*G5	R3072	B9	R3304	H1	R3428	*E3	R3568	*C4	R3665	*G4	RV371	R2		
R1081	P4	R1235	*R5	R1412	*P6	R1571	*B4	R1708	*M7	R2035	*B5	R2167	F6	R2368	*H8	R2745	*G5	R3073	*B8	R3305	H1	R3429	*F3	R3570	*C4	R3666	G3	RV591	P2		
R1082	*P4	R1236	*P5	R1413	N6	R1572	*B4	R1709	*M7	R2036	*B5	R2168	F6	R2369	*H7	R2746	*G6	R3075	*C9	R3306	H1	R3430	*F3	R3571	*C4	R3667	*G4	RV821	P3		
R1083	*M4	R1237	*R5	R1414	*N6	R1573	B4	R1710	N7	R2037	B6	R2169	F6	R2370	*H8	R2747	*G6	R3076	C9	R3307	H1	R3431	F3	R3572	*B4	R3668	G3	RV1021	P4		
R1084	M4	R1238	*R5	R1415	P6	R1574	A4	R1711	*N7	R2038	*A5	R2170	F6	R2381	K6	R2748															

AD-117 BOARD



AD-117 - A SIDE -
1-658-403-12



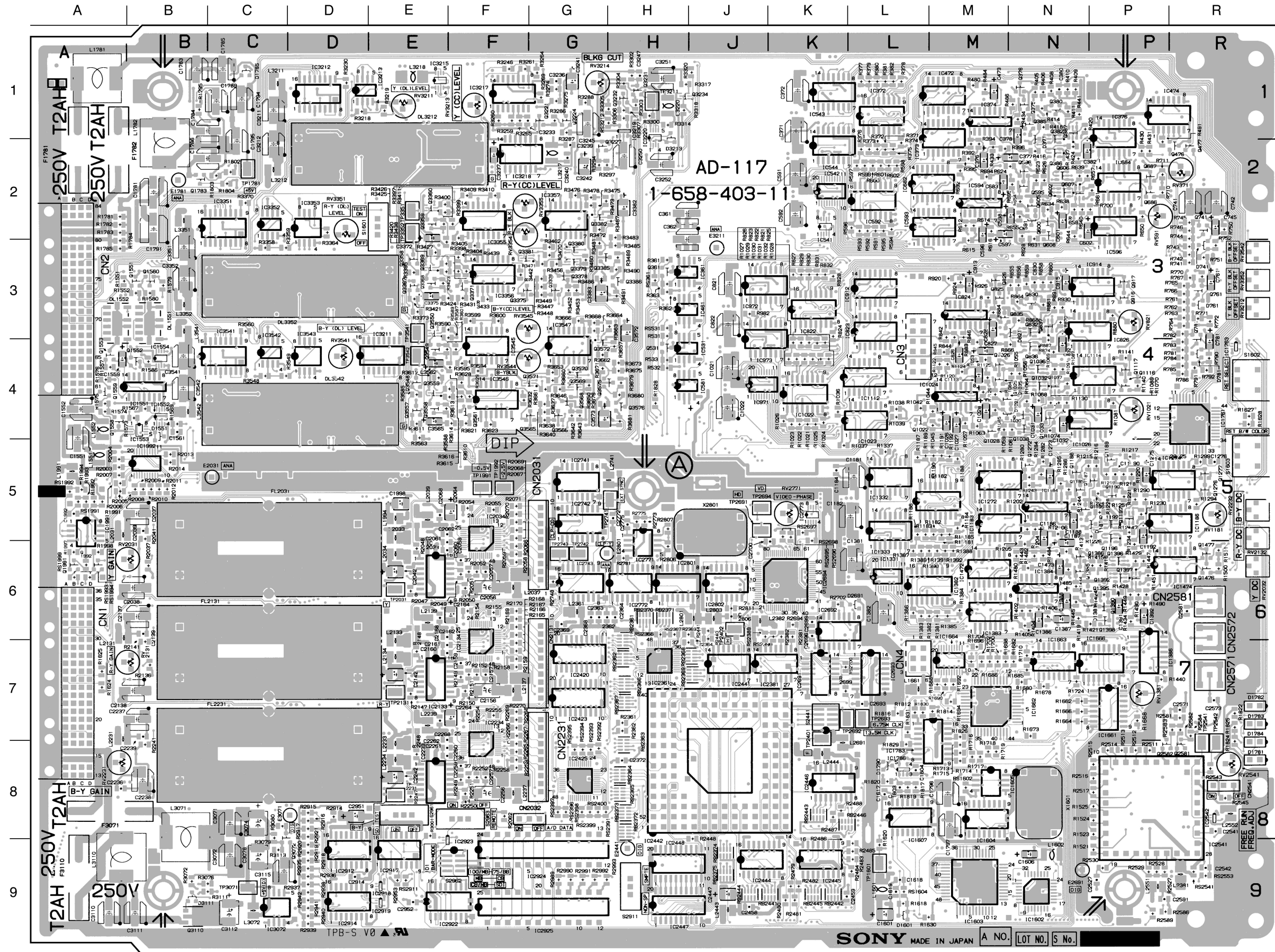
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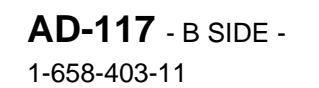
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C362	H3	C1188	N5	C1804	L8	C2170	*E6	C2544	*R8	C3236	G1	D591	N2	IC1181	*M6	IC2801	H6	L2237	F8	Q761	R3	Q1398	P6	Q3365	*F2	R398	*N2	R552	*K1	R695	N2	R860	N3
C363	*H2	C1189	*N5	C1991	*A5	C2171	*C6	C2545	*R8	C3241	G1	D741	R3	IC1182	L5	IC2802	J6	L2238	*F8	Q762	*R3	Q1471	*M6	Q3367	E3	R399	*M1	R553	*K1	R696	*N2	R861	N3
C364	*H3	C1190	P5	C1992	A5	C2172	*C7	C2546	*R8	C3242	G2	D761	R3	IC1183	M5	IC2911	*E9	L2239	E7	Q781	R4	Q1472	*N6	Q3368	E3	R400	*M2	R554	*L1	R698	*M2	R863	*N3
C371	K1	C1191	*P5	C1993	*A5	C2173	*C6	C2547	*R9	C3243	*E1	D781	R4	IC1184	N5	IC2912	D9	L2361	G6	Q782	*R4	Q1473	*N6	Q3369	E3	R401	*N1	R555	*K1	R699	*M2	R864	N3
C372	K1	C1192	P5	C1994	*A5	C2174	*C7	C2548	*R8	C3244	*G1	D821	N3	IC1186	P5	IC2913	*E9	L2381	R9	Q821	*L3	Q1474	*N6	Q3370	*E3	R402	*N1	R556	*K1	R700	P2	R865	*M3
C373	*K1	C1193	*R5	C1995	*A5	C2231	*B8	C2549	*P8	C3245	G1	D1021	N4	IC1271	*M5	IC2914	D9	L2382	J6	Q822	*M4	Q1476	R6	Q3371	F3	R403	*N1	R581	*H4	R701	*P2	R866	N4
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C376	M2	C1274	*P5	C1998	E5	C2234	*A7	C2573	R7	C3248	*H1	D1551	B4	IC1331	L6	IC2917	E9	L2442	*J8	Q825	M3	Q1552	B4	Q3374	*F3	R406	N1	R584	*H4	R706	*P2	R869	*N4
C377	N2	C1275	P5	C1999	*B5	C2235	*A8	C2581	R6	C3249	*H2	D1601	L9	IC1332	L5	IC2918	E9	L2443	J9	Q826	M3	Q1553	A4	Q3375	F3	R407	*N1	R591	L2	R707	*P2	R870	N3
C378	N1	C1276	R5	C2031	*B6	C2236	A8	C2591	P9	C3250	H2	D1781	R8	IC1333	L6	IC2919	E9	L2444	*K8	Q827	*N3	Q1554	*B4	Q3376	G3	R408	N1	R592	L2	R708	*P2	R871	*N3
C379	*M1	C1331	*L6	C2032	*B5	C2237	B7	C2592	*R8	C3251	H1	D1782	R7	IC1381	*M6	IC2922	E9	L2541	*R8	Q828	*N3	Q1556	*A4	Q3377	*G3	R409	N1	R593	L2	R709	*P2	R872	*P4
C380	N1	C1332	*L5	C2033	*B5	C2238	B8	C2691	*K6	C3252	H2	D1783	R7	IC1382	L6	IC2923	F9	L2543	*R8	Q829	*N3	Q1557	*B4	Q3378	G3	R410	N1	R594	L2	R710	P2	R873	*N4
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C382	N2	C1382	L6	C2035	*A5	C2240	*E8	C2693	L7	C3254	*H2	D1785	C1	IC1384	N6	IC2925	F9	L2552	R8	Q831	*N3	Q1559	A4	Q3380	G3	R413	*N1	R596	L2	R712	*M2	R875	*P4
C383	*P1	C1383	*L6	C2036	*B6	C2241	*E8	C2694	*L7	C3259	*H1	D1786	*B1	IC1386	P6	IC3071	*C9	L2691	*L7	Q832	N3	Q1560	B3	Q3381	F3	R414	N1	R597	L2	R741	R3	R876	*M4
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C541	*K2	C1389	*N6	C2042	E6	C2247	*E8	C2700	K6	C3356	*C2	D2692	*K6	IC1553	B4	IC3215	E1	L2803	J6	Q838	*N3	Q1784	*C2	Q3387	*C3	R420	N1	R603	*L2	R747	*R2	R882	*P3
C542	*K1	C1390	*P6	C2043	*D5	C2248	*E8	C2701	*J6	C3357	*C2	D2771	*H6	IC1554	B4	IC3217	F1	L2951	*D8	Q911	*L3	Q1785	*B3	Q3388	*F3	R421	*N1	R604	*M2	R748	*R3	R883	M3
C591	K2	C1391	P6	C2044	*E6	C2249	*E8	C2741	*G5	C3358	*D3	D2801	*J6	IC1601	*N9	IC3219	H1	L2981	*F9	Q912	*M3	Q1786	*L8	Q3541	*C4	R422	*P2	R605	*M2	R749	*R2	R884	M3
C592	K2	C1392	P6	C2045	*E5	C2250	*E8	C2742	*G5	C3359	*D3	D3072	*B9	IC1602	N9	IC3351	B3	L3071	B8	Q913	*M3	Q1787	*M7	Q3542	*C4	R423	*P2	R606	*L2	R750	R2	R885	*M4
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C594	*K2	C1471	*M6	C2047	*E6	C2252	*E8	C2744	*G5	C3361	*C3	DL1551	B3	IC1604	M8	IC3353	D3	L3110	A9	Q916	P3	Q1789	*R7	Q3545	*C4	R425	*P2	R608	*M2	R752	R3	R887	N4
C595	*M2	C1473	N6	C2048	*E6	C2253	*F8	C2745	*G6	C3362	*C3	DL1552	A3	IC1605	M8	IC3355	F2	L3211	C1	Q917	P3	Q1790	*R8	Q3546	*C4	R426	*P2	R609	*M2	R753	*R3	R888	*N4
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C597	M2	C1475	*P6	C2050	*E6	C2255	*E8	C2771	*G5	C3364	*C2	DL1475	E2	IC1607	L8	IC3357	G2	L3215	*F1	Q1022	L4	Q1992	A6	Q3548	E4	R428	*P1	R611	*M2	R762	R3	R890	*N3
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R1039	L4	R1193	*M5	R1337	L5	R1484	N6	R1667	*P7	R1813	*M8	R2087	*B6	R2259	F8	R2490	*K7	R2802	*H6	R3219	E1	R3357	*C2	R3457	*G3	R3599	F3	RB2364	H8	RV3212	R3
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R1041	*L4	R1195	*M5	R1339	*L5	R1486	*N6	R1669	*P7	R1815	*L7	R2089	*B6	R2261	*D8	R2492	*K7	R2804	*H6	R3221	*E1	R3359	C3	R3459	*G2	R3601	F4	RB2366	H7	RV3214	G1
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R1048	*M4	R1202	N5	R1346	*L5	R1496	*P6	R1676	*N7	R1823	*R7	R2135	*B7	R2268	F7	R2516	P8	R2811	J6	R3228	*E1	R3366	*D3	R3466	*G3	R3610	F4	RB2373	H8	RV3544	G4
R1049	*M4	R1203	*N6	R1381	M6	R1497	*R6	R1677	*N7	R1824	R8	R2136	B7	R2269	F7	R2517	P8	R2911	*H9	R3229	*D1	R3367	*D3	R3467	H2	R3611	E4	RB2374	J9	RV3545	G3
R1050	*M4	R1204	N5	R1382	M6	R1498	*R6	R1678	N7	R1825	R7	R2137	*B6	R2270	F7	R2518	*P8	R2914	D8	R3230	D1	R3368	*D3	R3468	*G2	R3612	*E4	RB2375	J9		
R1051	*M4	R1205	N6	R1383	L6	R1499	*P6	R1679	*N7	R1826	M7	R2138	*A6	R2271	*F7	R2527	P9	R2915	D8	R3232	*E2	R3369	*C2	R3469	*H2	R3613	E4	RB2441	K9	S1601	E2
R1052	*M4	R1206	N5	R1384	M6	R1500	R6	R1680	N7	R1827	*M7	R2139	*B7	R2272	*C8	R2528	P9	R2916	D8	R3233	*E4	R3370	C2	R3470	G3	R3614	F4	RB2442	K9	S1602	R4
R1053	*M4	R1207	*N5	R1385	M6	R1501	R6	R1681	*N7	R1828	H4	R2140	*B6	R2273	*C8	R2529	P9	R2917	D8	R3235	*E2	R3371	*E3	R3471	G3	R3615	F4	RB2443	K8	S1603	R5
R1054	*M4	R1208	*N6	R1386	L6	R1502	*N6	R1682	N7	R1829	L8	R2141	B7	R2274	*C8	R2530	P9	R2918	D9	R3238	*D1	R3372	*E3	R3472	G2	R3616	F4	RB2444	J9	S2441	K7
R1055	N4	R1209	*N5	R1387	L6	R1519	*P9	R1683	*N7	R1830	L7	R2142	*B6	R2275	*C7	R2541	*R8	R2919	D9	R3240	*D2	R3373	E3	R3473	G2	R3617	E4	RB2445	K9	S2911	H9
R1056	N4	R1210	*N5	R1388	M6	R1520	*P9	R1684	*N7	R1831	L7	R2143	*D6	R2276	*C8	R2542	*R9	R2920	D9	R3241	*D2	R3377	*E3	R3474	*G3	R3618	*E4	RB2446	K8	S2961	E8
R1057	M4	R1211	*N5	R1389	L6	R1521	P9	R1685	N7	R1991	A5	R2144	*D6	R2277	*C7	R2543	R8	R2921	D8	R3242	*D2	R3378	*C3	R3475	G2	R3619	*F4	RB2447	*H9	S2962	F9
R1058	*N4	R1212	*P5	R1390	M6	R1522	*P9	R1686	M7	R1992	A5	R2145	*E7	R2278	*C7	R2544	*R8	R2922	*H8	R3246	F1	R3380	*C3	R3476	G2	R3620	*F4			S2963	F8
R1059	M4	R1213	*N5	R1391	M6	R1523	P8	R1687	*M7	R1993	A5	R2146	*E7	R2279	*C8	R2545	R8	R2928	*D8	R3247	*D1	R3381	*C3	R3477	*G2	R3621	F4	RS361	H3		
R1060	*N4	R1214	*N5	R1392	M6	R1524	P8	R1688	M7	R1994	A5	R2147	E7	R2280	*C7	R2546	*R8	R2929	*D8	R3248	*D2	R3382	*B3	R3478	G2	R3622	*F4	RS531	H3	TP1601	L9
R1061	N4	R1215	P5	R1393	*M6	R1525	P8	R1689	*M7	R1997	A6	R2148	E7	R2281	*C7	R2547	*P9	R2930	*D8	R3249	*D2	R3383	*C3	R3479	*G2	R3623	F4	RS1601	*M8	TP1781	C2
R1063	M4	R1216	P5	R1394	*M6	R1526	*P8	R1690	M7	R1998	A6	R2149	F7	R2282	*C8	R2548	*P9	R2931	*D9	R3250	*D2	R3384	*D3	R3480	*G2	R3624	*F4	RS1602	M8	TP1991	F5
R1064	N4	R1217	P5	R1395	*M6	R1551	A3	R1691	*M7	R2000	*A6	R2150	F7	R2283	*C8	R2549	*P8	R2932	*D9	R3251	*E2	R3385	*D3	R3481	G3	R3625	*F4	RS1603	*M8	TP1992	F5
R1065	*M4	R1218	P5	R1396	*M6	R1552	B3	R1692	M7	R2003	A5	R2151	F7	R2284	*B8	R2550	*P8	R2933	*D9	R3252	*E2	R3387	*C3	R3482	*G2	R3626	F4	RS1604	L9	TP2031	E6
R1066	*N4	R1219	P5	R1397	*M6	R1553	*B3	R1693	*M7	R2004	A5	R2152	F7	R2285	*B8	R2551	*P8	R2934	*H8	R3253	*F2	R3388	*C3	R3483	H2	R3627	F4	RS1991	A5	TP2131	E7
R1067	*N4	R1220	P5	R1398	*M6	R1556	*B4	R1694	M7	R2005	A5	R2153	*F7	R2286	*B8	R2571	*R8	R2935	D9	R3254	*F2	R3389	*C3	R3484	*G3	R3628	F4	RS1992	A5	TP2231	E8
R1068	N4	R1221	P5	R1399	*N6	R1557	A4	R1695	*M7	R2006	A5	R2154	P6	R2287	*B8	R2572	*P8	R2936	D9	R3255	*F2	R3390	*C3	R3485	H3	R3629	F4	RS1993	A6	TP2401	K8
R1069	N4	R1223	*P5	R1400	*M6	R1558	*B4	R1696	M7	R2007	A5	R2155	P6	R2288	*B8	R2573	*R7	R2937	D9	R3256	*F1	R3391	*D3	R3486	G3	R3630	*F4	RS1994	A6	TP2402	J6
R1070	N4	R1224	P5	R1401	*N6	R1559	*B4	R1697	*M7	R2008	B5	R2156	*F6	R2289	*B8	R2574	*R7	R2938	D9	R3257	*F1	R3392	*D3	R3487	*H3	R3631	*F4	RS1999	A6	TP2541	R8
R1071	*N4	R1225	*N5	R1402	N6	R1560	*B4	R1698	M7	R2009	B5	R2157	*F6	R2290	*D7	R2575	*R7	R2939	D9	R3258	*F1	R3393	*E3	R3488	*H3	R3632	F4	RS2361	*H7	TP2542	R8
R1072	*P4	R1226	P5	R1403	*N6	R1561	*B4	R1699	*M7	R2010	B5	R2158	F7	R2361	H7	R2576	*P7	R2940	D9	R3259	F1	R3394	*E3	R3489	H3	R3633	*G4	RS2362	*H7	TP2691	J5
R1073	*N4	R1227	*P5	R1404	N6	R1562	*B4	R1700	M7	R2011	B5	R2159	F7	R2362	H7	R2577	*R7	R2941	D9	R3260	F1	R3395	E3	R3490	H3	R3634	*G4	RS2363	*H7	TP2692	L7
R1074	N4	R1228	P5	R1405	N6	R1563	*A4	R1701	*M7	R2012	B5	R2160	*D7	R2363	J6	R2578	*R8	R2942	D9	R3261	F1	R3396	*E3	R3491	H3	R3635	*F4	RS2364	*H7	TP2693	L7
R1075	*P4	R1229	*P5	R1406	N6	R1564	*B4	R1702	M7	R2013	B5	R2161	*D6	R2364	J7	R2579	*R6	R2943	*D9	R3262	*F1	R3397	E2	R3492	*G2	R3636	*G4	RS2365	*H7	TP2694	J5
R1076	*P4	R1230	P5	R1407	*N6	R1566	*B4	R1703	*M7	R2014	B5	R2162	*F7	R2365	*H6	R2580	*R7	R2944	*D9	R3263	*F1	R3398	E3	R3493	*F3	R3637	G4	RS2366	H6	TP2741	H5
R1077	*P4	R1231	*P5	R1408	*N6	R1567	B4	R1704	M7	R2031	*D5	R2163	*F7	R2366	*H6	R2581	R7	R2945	*D9	R3264	G1	R3399	E2	R3494	*F3	R3638	G4	RS2367	H6	TP2742	G6
R1078	*P4	R1232	*R5	R1409	*N6	R1568	*B4	R1705	*M7	R2032	*D5	R2164	*F7	R2367	*H8	R2582	R7	R2946	*D9	R3265	F1	R3400	E2	R3495	*F3	R3639	*G4	RS2389	J6	TP2743	G6
R1079	*P4	R1233	*P5	R1410	*N6	R1569	B4	R1706	*M7	R2033	*D5	R2165	F7	R2368	*H8	R2583	R7	R2947	*D9	R3266	*F1	R3401	*E2	R3496	*F3	R3640	G4	RS2390	K6	TP3071	C9
R1080	*P4	R1234	P6	R1411	*N6	R1570	*B4	R1707	*M7	R2034	*C6	R2166	F7	R2369	*H7	R2584	R7	R2948	*D9	R3267	*F1	R3402	*F2	R3541	*C3	R3641	*G4	RS2391	G8	TP3211	H1
R1081	P4	R1235	*R5	R1412	*P6	R1571	*B4	R1708	*M7	R2035	*B5	R2167	P6	R2370	*H8	R2585	*R6	R2949	*D9	R3268	*F1	R3403	*F3	R3542	*C4	R3642	G4	RS2392	G8	TP3351	E2
R1082	*P4	R1236	*P5	R1413	N6	R1572	*B4	R1709	*M7	R2036	*B5	R2168	P6	R2381	K6	R2586	P9	R2950	*D9	R3269	G1	R3404	F3	R3543	*C4	R3643	G4	RS2393	G8	TP3352	E2
R1083	*M4	R1237	*R5	R1414	*N6	R1573	B4	R1710	N7	R2037	B6	R2169	P6	R2382	K6	R2587	*P9	R2951	*E8	R3270	*F1	R3405	F2	R3544	*C3	R3644	*G4	RS2394	G8	TP3541	E3
R1084	M4	R1238	*R5	R1415	P6	R1574	A4	R1711	*N7	R2038	*A5	R2170	F6	R2440	J6	R2588	*P9	R2952	*E8	R3271	*F1	R3406	*F2	R3545	*C4	R3645	*G4	RS2395	G8	TP3542	E4
R1085	M4	R1239	*R5	R1416	P6	R1575	A4	R1712	*M7	R2039	*B6	R2171	*F6	R2441	J6	R2589	P9	R2953	E9	R3272	*G1	R3407	*F2	R3546	*C4	R3646	G4	RS2396	G8		
R1086	*N4	R1240	*R5	R1417	*P6	R1576	A4	R1713	M8	R2040	*B5	R2172	*C7	R2442	*K8	R26															

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AD-117(1-658-403-11)																
CN1	A8	IC971	J4	IC2741	G5	L2233	E8	Q741	R2	Q1396	P6	Q3364	*E3	RS2367	H6	
CN2	A4	IC972	J3	IC2742	G5	L2234	E8	Q742	*R3	Q1397	P6	Q3367	E3	RS2390	K6	
CN2032	G8	IC973	J4	IC2743	G6	L2235	*E8	Q761	R3	Q1398	P6	Q3368	E3	RS2397	G8	
CN2541	R8	IC1021	*K4	IC2771	H5	L2236	*E8	Q762	*R3	Q1471	*M6	Q3369	E3	RS2399	G8	
CN2571	R7	IC1022	K4	IC2772	H6	L2237	F8	Q781	R4	Q1472	*N6	Q3370	*E3	RS2441	*J9	
CN2572	R6	IC1023	L4	IC2773	K5	L2238	*F8	Q782	*R4	Q1473	*N6	Q3371	F3	RS2542	*R9	
CN2581	R6	IC1024	M4	IC2801	H6	L2239	E7	Q821	*L3	Q1474	*N6	Q3372	*F3	RS2691	*K7	
DL1551	B3	IC1026	N4	IC2802	J6	L2361	G6	Q822	*M4	Q1476	R6	Q3373	*G3	RS2693	*K7	
	DL1552	A3	IC1111	*K4	IC2911	*E9	L2381	R9	Q823	*M4	Q1477	R6	Q3374	*F3	RS2695	K5
	DL3212	E2	IC1112	L4	IC2916	*E9	L2382	J6	Q824	*M4	Q1551	B3	Q3375	F3	RS2696	K5
	DL3352	D3	IC1114	N4	IC2917	E9	L2401	*K6	Q825	M3	Q1552	B4	Q3376	G3	RS2697	K5
	DL3542	D4	IC1181	*M6	IC2922	E9	L2441	*J7	Q826	M3	Q1553	A4	Q3377	*G3	RS2698	K6
D371	N2	IC1182	L5	IC2923	F9	L2442	*J8	Q827	*N3	Q1554	*B4	Q3378	G3	RS2699	*K7	
	D591	N2	IC1183	M5	IC2924	F9	L2443	J9	Q828	*N3	Q1556	*A4	Q3379	G3	RS2700	K7
	D741	R3	IC1184	N5	IC2925	F9	L2444	K8	Q829	*N3	Q1557	*B4	Q3380	G3	RS2911	E9
	D761	R3	IC1186	P5	IC3071	*C9	L2541	*R8	Q830	N3	Q1558	A4	Q3381	F3	RS3212	H1
	D781	R4	IC1271	*M5	IC3072	C9	L2543	*R8	Q831	*N3	Q1559	A4	Q3382	G2		
D821	N3	IC1272	M5	IC3211	D4	L2551	P9	Q832	N3	Q1560	B3	Q3383	*G3	RV2031	B6	
D1021	N4	IC1274	P5	IC3212	D1	L2552	R8	Q833	*N4	Q1561	*B3	Q3384	*G3	RV2032	R6	
D1181	P5	IC1331	L6	IC3213	D1	L2691	K8	Q834	*P4	Q1562	*B3	Q3385	G3	RV2131	B7	
D1381	P6	IC1332	L5	IC3214	*E2	L2692	*J6	Q835	M3	Q1781	*C1	Q3386	H3	RV2132	R5	
D1551	B4	IC1333	L6	IC3215	E1	L2741	H5	Q836	N4	Q1782	*B2	Q3387	*C3	RV2231	A8	
D1601	L9	IC1381	*M6	IC3217	F1	L2771	*H5	Q837	N3	Q1783	B2	Q3541	*C4	RV2232	R5	
D1781	R8	IC1382	L6	IC3218	F2	L2801	J6	Q838	*N3	Q1784	*C2	Q3542	*C4	RV2541	R8	
D1782	R7	IC1383	M6	IC3219	H1	L2802	*J5	Q911	*L3	Q1785	*B3	Q3544	*D4	RV2771	K5	
D1783	R7	IC1384	N6	IC3220	H1	L2803	J6	Q912	*M3	Q1786	*L8	Q3545	*C4	RV3211	E1	
D1784	R8	IC1386	P6	IC3351	B3	L2951	*D8	Q913	*M3	Q1787	*M7	Q3546	*C4	RV3212	R3	
D1785	C1	IC1471	*M6	IC3352	C2	L2981	*F9	Q914	*M3	Q1788	*L7	Q3547	*E4	RV3213	F1	
D1786	*B1	IC1472	M6	IC3353	D3	L3071	B8	Q916	P3	Q1789	*R7	Q3548	E4	RV3214	G1	
D1787	*B1	IC1474	P6	IC3355	F2	L3072	C9	Q917	P3	Q1790	*R8	Q3549	E4	RV3351	D2	
D1789	*L8	IC1551	B4	IC3356	F3	L3110	A9	Q1021	*L4	Q1991	A6	Q3550	E3	RV3352	R3	
D1790	L8	IC1552	B4	IC3357	G2	L3211	C1	Q1022	L4	Q1992	A6	Q3551	*F4	RV3354	F2	
D2541	*P8	IC1553	B4	IC3541	B4	L3212	C2	Q1023	*M4	Q2031	*D5	Q3552	*E4	RV3355	F2	
D2691	L6	IC1554	B4	IC3542	C4	L3215	*F1	Q1024	*M4	Q2032	*C5	Q3553	*F4	RV3541	D4	
D2692	*K6	IC1606	*M9	IC3543	D4	L3216	*F2	Q1025	M4	Q2033	*B6	Q3554	*E4	RV3542	R3	
D2692	*L6	IC1607	L8	IC3545	F4	L3217	G2	Q1026	M4	Q2034	*B6	Q3557	E4	RV3544	G4	
D2771	*H6	IC1608	*L9	IC3546	F4	L3218	E1	Q1027	*N4	Q2035	*B6	Q3558	E4	RV3545	G3	
D2801	*J6	IC1609	*L8	IC3547	G4	L3220	H1	Q1028	M4	Q2131	*D6	Q3559	E4			
D3072	*B9	IC1661	P7			L3351	B2	Q1029	*M4	Q2132	*C7	Q3560	*E4	S1601	E2	
D3111	B9	IC1662	M7	IS2442	J8	L3352	B3	Q1030	N4	Q2133	*B7	Q3561	F4	S1602	R4	
D3212	*G2	IC1663	N7	IS2541	P8	L3541	B3	Q1031	*N4	Q2134	*B7	Q3562	*F4	S1603	R5	
D3213	H1	IC1664	M7	IS2924	F9	L3542	B4	Q1032	N4	Q2135	*B7	Q3563	*G4	S2961	E8	
E1781	B2	IC1665	*P7	IS2925	F9			Q1033	N4	Q2231	*D7	Q3564	*F4	S2962	F9	
	E2031	C5	IC1666	N7		Q361	H3	Q1034	*P4	Q2232	*C8	Q3565	G4	S2963	F8	
	E2441	H9	IC1761	R4	L361	*H2	Q371	*M1	Q1035	N4	Q2233	*B8	Q3566	G4		
	E2691	N9	IC1762	*R5	L362	*H2	Q372	*M2	Q1036	N4	Q2234	*B8	Q3567	*G4	TP1601	L9
	E2801	H6	IC1763	R4	L371	*K1	Q373	*M2	Q1037	N4	Q2235	*B8	Q3568	G4	TP1781	C2
E3071	D8	IC1781	*B2	L372	*K2	Q374	*N2	Q1038	N4	Q2541	*R8	Q3569	G4	TP1991	F5	
E3211	J3	IC1782	*B1	L591	*K2	Q375	N1	Q1111	*L4	Q2571	*R8	Q3570	G4	TP1992	F5	
FL2031	C6	IC1783	L7	L592	*K2	Q376	N1	Q1112	*M4	Q2572	*P8	Q3571	G4	TP2031	E6	
	FL2131	C7	IC1785	*L8	L741	*R2	Q377	*N1	Q1113	*M4	Q2581	R8	Q3572	G4	TP2131	E7
	FL2231	C8	IC1786	L8	L742	*R2	Q378	*N1	Q1114	*M4	Q2582	P8	Q3573	*G4	TP2231	E8
			IC1991	A5	L821	*J3	Q379	*N1	Q1116	P4	Q2771	*H6	Q3574	*G4	TP2401	K7
			IC1992	B5	L822	*J3	Q380	N1	Q1117	P4	Q3071	*C8	Q3575	H4	TP2402	J6
F1781	A1	IC2031	*B5	L1021	*J4	Q381	*N1	Q1181	*M5	Q3072	C8	Q3576	H4	TP2542	R8	
F1782	A1	IC2032	*D5	L1022	*J4	Q382	N2	Q1182	*N5	Q3110	B9	Q3577	*C4	TP2691	J5	
F3071	A8	IC2033	E6	L1181	*K5	Q383	*N2	Q1183	*N6	Q3211	*D1			TP2692	K7	
F3110	A9	IC2034	F5	L1182	*K5	Q384	*P2	Q1184	*N5	Q3212	*D1	RB2031	*F5	TP2693	L7	
IC361	H3	IC2035	*C6	L1381	*K6	Q385	N1	Q1185	N5	Q3213	*E2	RB2131	*F6	TP2694	J5	
	*L2	IC2131	*B7	L1382	*K6	Q386	N2	Q1186	N5	Q3215	*D2	RB2231	*F8	TP2741	H5	
	IC371	L1	IC2132	*D6	L1551	A5	Q387	N1	Q1187	P5	Q3216	*D2	RB2361	H7	TP2742	G6
IC372	L1	IC2133	E7	L1552	A4	Q388	*N1	Q1188	*P5	Q3217	*D2	RB2362	H7	TP2743	G6	
IC373	M2	IC2134	F7	L1601	L9	Q471	*M1	Q1189	P5	Q3218	*F2	RB2363	H8	TP3071	C9	
IC374	M1	IC2135	*C7	L1661	L7	Q472	*M1	Q1190	P5	Q3219	*G1	RB2364	H8	TP3211	H1	
IC376	P2	IC2231	*B8	L1761	*R4	Q473	*M1	Q1191	*P5	Q3220	*G1	RB2365	H8	TP3351	E2	
IC461	H3	IC2232	*D8	L1781	A1	Q474	*M1	Q1192	P5	Q3221	G1	RB2366	H7	TP3352	E2	
IC471	*L1	IC2233	E8	L1782	B2	Q476	R2	Q1193	*P5	Q3222	*G2	RB2367	H7	TP3541	E3	
IC472	M1	IC2234	F8	L1783	*M8	Q477	R2	Q1194	*R5	Q3223	*G2	RB2368	J7	TP3542	E4	
IC473	*L1	IC2235	*C8	L1784	*M8	Q531	H4	Q1195	N5	Q3224	G1	RB2369	J7			
IC474	P1	IC2361	H7	L1791	A5	Q591	*L2	Q1196	P5	Q3225	*G1	RB2370	H6	X2801	J5	
IC531	H4	IC2381	J7	L1992	*A5	Q592	*M2	Q1197	P5	Q3226	*G2	RB2371	H6			
IC541	K2	IC2420	G7	L1993	*A6	Q593	*M3	Q1198	*P5	Q3227	G2	RB2372	H8			
IC542	K2	IC2421	*G8	L1994	E5	Q594	*N2	Q1271	*M5	Q3228	*H1	RB2373	H8			
IC543	K1	IC2422	*G8	L2031	A5	Q595	N2	Q1272	N5	Q3229	*H1	RB2374	J9			
IC544	K2	IC2423	G7	L2032	*B6	Q596	N2	Q1273	*N5	Q3230	*H1	RB2375	J9			
IC581	H4	IC2424	*K7	L2033	E5	Q597	*N2	Q1274	*N5	Q3231	H1	RB2441	K9			
IC591	*L3	IC2425	G8	L2034	B6	Q598	*N3	Q1276	R5	Q3232	H1	RB2442	K9			
IC592	L2	IC2441	J7	L2035	*B6	Q599	*N2	Q1277	R5	Q3233	*J1	RB2443	K8			
IC593	L3	IC2442	J8	L2036	*E6	Q600	N2	Q1381	*M6	Q3234	H1	RB2444	J9			
IC594	M2	IC2443	*J9	L2037	F6	Q601	*N2	Q1382	*N6	Q3235	*F2	RB2445	K9			
IC595	P3	IC2444	J9	L2038	*F6	Q602	N2	Q1383	*N6	Q3236	*E2	RB2446	K8			
IC681	*L2	IC2445	K8	L2039	E5	Q603	*N2	Q1384	*N6	Q3351	*C2	RB2447	*H9			
IC682	L2	IC2446	K8	L2131	A6	Q604	*P2	Q1385	N6	Q3352	*C2					
IC683	L2	IC2447	H9	L2132	*B7	Q605	N2	Q1386	N6	Q3354	*D3	RS361	H3			
IC821	*K4	IC2448	H9	L2133	E7	Q606	N2	Q1387	*P6	Q3355	*C3	RS531	H3			
IC822	K3	IC2541	P8	L2134	E7	Q607	N2	Q1388	*P6	Q3356	*C3	RS1604	L9			
IC823	L4	IC2542	R8	L2135	*E7	Q608	N2	Q1389	*N6	Q3357	*E3	RS1991	A5			
IC824	M3	IC2543	*R9	L2136	*E7	Q681	*L2	Q1390	P6	Q3358	E3	RS1992	A5			
IC825	N4	IC2691	K7	L2137	F7	Q682	*M2	Q1391	*P6	Q3359	E2	RS1993	A6			
IC911	*K3	IC2692	K7	L2138	*F7	Q683	*M2	Q1392	P6	Q3360	E2	RS1994	A6			
IC912	L3	IC2693	L7	L2139	E6	Q684	*M2	Q1393	*P6	Q3361	*F2	RS1999	A6			
IC913	N3	IC2694	K6	L2231	A7	Q686	P2	Q1394	*P7	Q3362	*F2	RS2362	*H7			
IC914	N3	IC2695	*K6	L2232	*B8	Q687	P2	Q1395	P6	Q3363	*E3	RS2363	*H7			

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